

✓ 24/6

DIARY

OF

Hymenoptera, other insects, plants
seen or taken by
A. W. Stelfox.

Volume 20.



From 20th August 1952
until

20th August 1952
20.8.52 (2)
18 insects in 2 labelled boxes 1952

Flower, 1952 1 afternoon 20.8.52

Thymus (18th August) *Thymus*
♂, ant. 26, ♀ ant. 27; postulation of both
- especially ♂ - is absolutely normal!

Oleiscampus ♂
Opius areolaris ♀ (ant. 26) taken off.

O. areolaris ♂, ant. 26
♀ ant. 26 - very large, very fat
ant. 27 - very fat, ant. 27 - very fat
ant. 27 - very fat, ant. 27 - very fat

Aspilota ♀, ant. 26, 19.8.52, 19.8.52
20.8.52, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52

A. fuscicornis - ♂ ant. 26, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52

A. fuscicornis ♂, ant. 26, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52
ant. 26, 19.8.52, 19.8.52, 19.8.52

1952, 19.8.52, 19.8.52, 19.8.52

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1952, 19.8.52, 19.8.52, 19.8.52

1952, 19.8.52, 19.8.52, 19.8.52

28.6.53 (2)

Supplementary list.

16 mounted & labelled Oct 1953

Larva, MP. (afternoon 28.6.53).

Theridion (Phaidrothron) transfuge

♂ ant. 26, ♀ ant. 27; perspective of width
— especially ♂ — is absolutely smooth!

Olesicampe ♂ ant. 36

Opus irregularis ♀ var. with tergite 2 acuminate;
ant. bitten off.

O. stenops ♀, ant. 23.

O. sp. ♂ ant. 29 — very large, agree but
with ♀ of nigricornis with short antennae & tergite 2
same, this male to belong here.

Aspilota furcata 2 ♀♀, ant. 17 & 18. & also

2 ♂♂ probably the species, ant. bitten off short.

also a third ♀ probably same species, ant. tips missing.

A. sp. ? a minute ♀, with slight large head, reddish tergite 1,
— resembling propodeum, tibiae nearly 1/2 abdome; ant. 17, slender.
Runs to littoralis in key owing to wide head, but not
fitting.

A. furcata Hal. a pair of ♂♂, ant. bitten off.

A. sp. chlora ? Larger ♂ than last, with round
instead of straight, 3rd abdominal segment perhaps
2 very small ♂♂, same with rather dark tergite 1 &
only 15 seg. antennae.

A. carinata sp. n. Type! ♂ like sforziata in head
but smaller with small body black, hind tibiae pale at
base, fusiform stripes, tarsi fusiform, tergite 1 long
with keel in centre to apical smooth tubercle, ant. 25.
Like truncata, but propodeum not truncate, not
areolated & very strongly reticulate-rayon. Put in coll.

O.T.R.

Aspilota (Synaldis) sp. 2 27, ant. 20.

Procto. Hymenid 2" with corium.

abdomen. ($\frac{23}{+}$ 2).

✓ 4/6

Vol. 20.

DIARY

OF

Hymenoptera, other insects, plants
seen or taken by

A. W. Stelfox.

Volume 20.



From 20th August 1952
until

2

20th August 1952 Glen C. of Kiltalmon, Hants, Salisbury, DU.
Saw many bees in the P. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 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818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000. 1001. 1002. 1003. 1004. 1005. 1006. 1007. 1008. 1009. 1010. 1011. 1012. 1013. 1014. 1015. 1016. 1017. 1018. 1019. 1020. 1021. 1022. 1023. 1024. 1025. 1026. 1027. 1028. 1029. 1030. 1031. 1032. 1033. 1034. 1035. 1036. 1037. 1038. 1039. 1040. 1041. 1042. 1043. 1044. 1045. 1046. 1047. 1048. 1049. 1050. 1051. 1052. 1053. 1054. 1055. 1056. 1057. 1058. 1059. 1060. 1061. 1062. 1063. 1064. 1065. 1066. 1067. 1068. 1069. 1070. 1071. 1072. 1073. 1074. 1075. 1076. 1077. 1078. 1079. 1080. 1081. 1082. 1083. 1084. 1085. 1086. 1087. 1088. 1089. 1090. 1091. 1092. 1093. 1094. 1095. 1096. 1097. 1098. 1099. 1100. 1101. 1102. 1103. 1104. 1105. 1106. 1107. 1108. 1109. 1110. 1111. 1112. 1113. 1114. 1115. 1116. 1117. 1118. 1119. 1120. 1121. 1122. 1123. 1124. 1125. 1126. 1127. 1128. 1129. 1130. 1131. 1132. 1133. 1134. 1135. 1136. 1137. 1138. 1139. 1140. 1141. 1142. 1143. 1144. 1145. 1146. 1147. 1148. 1149. 1150. 1151. 1152. 1153. 1154. 1155. 1156. 1157. 1158. 1159. 1160. 1161. 1162. 1163. 1164. 1165. 1166. 1167. 1168. 1169. 1170. 1171. 1172. 1173. 1174. 1175. 1176. 1177. 1178. 1179. 1180. 1181. 1182. 1183. 1184. 1185. 1186. 1187. 1188. 1189. 1190. 1191. 1192. 1193. 1194. 1195. 1196. 1197. 1198. 1199. 1200. 1201. 1202. 1203. 1204. 1205. 1206. 1207. 1208. 1209. 1210. 1211. 1212. 1213. 1214. 1215. 1216. 1217. 1218. 1219. 1220. 1221. 1222. 1223. 1224. 1225. 1226. 1227. 1228. 1229. 1230. 1231. 1232. 1233. 1234. 1235. 1236. 1237. 1238. 1239. 1240. 1241. 1242. 1243. 1244. 1245. 1246. 1247. 1248. 1249. 1250. 1251. 1252. 1253. 1254. 1255. 1256. 1257. 1258. 1259. 1260. 1261. 1262. 1263. 1264. 1265. 1266. 1267. 1268. 1269. 1270. 1271. 1272. 1273. 1274. 1275. 1276. 1277. 1278. 1279. 1280. 1281. 1282. 1283. 1284. 1285. 1286. 1287. 1288. 1289. 1290. 1291. 1292. 1293. 1294. 1295. 1296. 1297. 1298. 1299. 1300. 1301. 1302. 1303. 1304. 1305. 1306. 1307. 1308. 1309. 1310. 1311. 1312. 1313. 1314. 1315. 1316. 1317. 1318. 1319. 1320. 1321. 1322. 1323. 1324. 1325. 1326. 1327. 1328. 1329. 1330. 1331. 1332. 1333. 1334. 1335. 1336. 1337. 1338. 1339. 1340. 1341. 1342. 1343. 1344. 1345. 1346. 1347. 1348. 1349. 1350. 1351. 1352. 1353. 1354. 1355. 1356. 1357. 1358. 1359. 1360. 1361. 1362. 1363. 1364. 1365. 1366. 1367. 1368. 1369. 1370. 1371. 1372. 1373. 1374. 1375. 1376. 1377. 1378. 1379. 1380. 1381. 1382. 1383. 1384. 1385. 1386. 1387. 1388. 1389. 1390. 1391. 1392. 1393. 1394. 1395. 1396. 1397. 1398. 1399. 1400. 1401. 1402. 1403. 1404. 1405. 1406. 1407. 1408. 1409. 1410. 1411. 1412. 1413. 1414. 1415. 1416. 1417. 1418. 1419. 1420. 1421. 1422. 1423. 1424. 1425. 1426. 1427. 1428. 1429. 1430. 1431. 1432. 1433. 1434. 1435. 1436. 1437. 1438. 1439. 1440. 1441. 1442. 1443. 1444. 1445. 1446. 1447. 1448. 1449. 1450. 1451. 1452. 1453. 1454. 1455. 1456. 1457. 1458. 1459. 1460. 1461. 1462. 1463. 1464. 1465. 1466. 1467. 1468. 1469. 1470. 1471. 1472. 1473. 1474. 1475. 1476. 1477. 1478. 1479. 1480. 1481. 1482. 1483. 1484. 1485. 1486. 1487. 1488. 1489. 1490. 1491. 1492. 1493. 1494. 1495. 1496. 1497. 1498. 1499. 1500. 1501. 1502. 1503. 1504. 1505. 1506. 1507. 1508. 1509. 1510. 1511. 1512. 1513. 1514. 1515. 1516. 1517. 1518. 1519. 1520. 1521. 1522. 1523. 1524. 1525. 1526. 1527. 1528. 1529. 1530. 1531. 1532. 1533. 1534. 1535. 1536. 1537. 1538. 1539. 1540. 1541. 1542. 1543. 1544. 1545. 1546. 1547. 1548. 1549. 1550. 1551. 1552. 1553. 1554. 1555. 1556. 1557. 1558. 1559. 1560. 1561. 1562. 1563. 1564. 1565. 1566. 1567. 1568. 1569. 1570. 1571. 1572. 1573. 1574. 1575. 1576. 1577. 1578. 1579. 1580. 1581. 1582. 1583. 1584. 1585. 1586. 1587. 1588. 1589. 1590. 1591. 1592. 1593. 1594. 1595. 1596. 1597. 1598. 1599. 1600. 1601. 1602. 1603. 1604. 1605. 1606. 1607. 1608. 1609. 1610. 1611. 1612. 1613. 1614. 1615. 1616. 1617. 1618. 1619. 1620. 1621. 1622. 1623. 1624. 1625. 1626. 1627. 1628. 1629. 1630. 1631. 1632. 1633. 1634. 1635. 1636. 1637. 1638. 1639. 1640. 1641. 1642. 1643. 1644. 1645. 1646. 1647. 1648. 1649. 1650. 1651. 1652. 1653. 1654. 1655. 1656. 1657. 1658. 1659. 1660. 1661. 1662. 1663. 1664. 1665. 1666. 1667. 1668. 1669. 1670. 1671. 1672. 1673. 1674. 1675. 1676. 1677. 1678. 1679. 1680. 1681. 1682. 1683. 1684. 1685. 1686. 1687. 1688. 1689. 1690. 1691. 1692. 1693. 1694. 1695. 1696. 1697. 1698. 1699. 1700. 1701. 1702. 1703. 1704. 1705. 1706. 1707. 1708. 1709. 1710. 1711. 1712. 1713. 1714. 1715. 1716. 1717. 1718. 1719. 1720. 1721. 1722. 1723. 1724. 1725. 1726. 1727. 1728. 1729. 1730. 1731. 1732. 1733. 1734. 1735. 1736. 1737. 1738. 1739. 1740. 1741. 1742. 1743. 1744. 1745. 1746. 1747. 1748. 1749. 1750. 1751. 1752. 1753. 1754. 1755. 1756. 1757. 1758. 1759. 1760. 1761. 1762. 1763. 1764. 1765. 1766. 1767. 1768. 1769. 1770. 1771. 1772. 1773. 1774. 1775. 1776. 1777. 1778. 1779. 1780. 1781. 1782. 1783. 1784. 1785. 1786. 1787. 1788. 1789. 1790. 1791. 1792. 1793. 1794. 1795. 1796. 1797. 1798. 1799. 1800. 1801. 1802. 1803. 1804. 1805. 1806. 1807. 1808. 1809. 1810. 1811. 1812. 1813. 1814. 1815. 1816. 1817. 1818. 1819. 1820. 1821. 1822. 1823. 1824. 1825. 1826. 1827. 1828. 1829. 1830. 1831. 1832. 1833. 1834. 1835. 1836. 1837. 1838. 1839. 1840. 1841. 1842. 1843. 1844. 1845. 1846. 1847. 1848. 1849. 1850. 1851. 1852. 1853. 1854. 1855. 1856. 1857. 1858. 1859. 1860. 1861. 1862. 1863. 1864. 1865. 1866. 1867. 1868. 1869. 1870. 1871. 1872. 1873. 1874. 1875. 1876. 1877. 1878. 1879. 1880. 1881. 1882. 1883. 1884. 1885. 1886. 1887. 1888. 1889. 1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161.

20 & 52, cont. Killaloe Glen, Co. Wick, cont.
 Rogan sp. ♂: not mtd. *Apanteles fuscicornis* ♀: not mtd.
Proctos *procerus* ♂: not mtd. *Scutellus* *procerus* ♂: not mtd.
Aspilota *superciliosa* ♀: not mtd. *Dacnusa elegantula* ♂, ant. 32.
D. venili ♀, ant. 32, ^{long} *D. dimidiata* ♂: not mtd.
D. areolaris, *laevipennis*, *maculipes* & *confusa* (all) ?
D. (G.) affinis ♂ & ♀ *D. (G.) alijana* ♂
Chorebus *capitatus* ♂ *Aphidius* 2
Proctos 16

none
mtd.

Chalcids 1

Diptera = *Sargus flavipes* ♂.
 Saw 2 Red Admirals & 1 Painted Lady

24th August 1952. Bearly dull, warm, soft, with slight
 westerly breeze - like 2 previous days. Sunny.
 In afternoon drove to Bally Lake on Royal Canal, KD,
 to get on the water - a very pleasant trip there - & all
 there except a little strong wind - a most a large lot of
 the lake & the *Willow* plantation.
 Saw many White Butterflies, & also Common Blues,
Bombus sylvarum ♂ & ♀, *pedicularis* ♂, *terrestris*
 & *pratorum* spp. Also on the following:

24 & 52, cont. Royal Canal, KD, cont.
 1 *Empid* = *Cladius difformis* ♀.
Phaenocarpa 3 (1 ♂, 2 ♀♀) & *Exochus* 1: not mtd.
Ch. Aethicus, *longulus* ♂, ant. 26: seems to agree with description.
Colpognathus *reclinator* ♀ ? ant. 27.
Stilpnus *gagates*, dark ♀, ant. 17, with "spiral segmentation" of tergite 2!!
Acrodactylus *dispar* ♂, ant. 23. *Phygadeuon* (2) ♂ & ♀, ant. 23.
Homocidus *fulvipes* ? ♂: not mtd. *Exochus* *tibialis* ♀, ant. 26.
Exochus *procerus* ♀, ant. 33.
Proctos = *B. rugicornis* ♀, ant. 31; also ♂, small, ant. 26, probably same species.
Sigalphus *caudatus* ♀: not mtd. *Blacus* sp. ♂: not mtd.
Alysia *manducalis* 3 ♂♂ at oak - large: one mtd. i. very small, ant. 33.
Aspilota ♂ & ♀ = *A. cf. tibialis* ♀, ant. 18; ♂, ant. 22: very nice specimens.
Dacnusa elegantula ♀ with mtd. abd.: ant. 25.
D. areolaris ♂: not mtd. *D. (G.) alijana* ♂: by canal - not mtd.
Aphidius spp. 2: not mtd.
Proctos abundant on *Glyceria* by canal (21 - mtd.): none mtd.

Chalcids 2: not mtd.

Empid 2: not mtd.

Psithyrus 2 = *Linia septentrionalis* ♂ & ♀

Empid 1 =

23rd August 1952. On going down the back garden (to flower bed) at 20.30 this evening, during a light rain, I, left hand, & finally arrived at the flower bed which was sitting on a bed of a potato plant. The 42-43. ant. was. Several *Pimpla instigator* ♀♀ were seen here & not seen elsewhere.

28th August 1952. Taken in back garden about 5 PM. when it was.

Homocidus sp. ♀ in water house! Ant. 28.

Bracon hebetor ♀, ant. 18. *Homocidus biguttatus* ♂, ant. 24.

H. longicornis ♂ & ♀, ant. 21. *H. instigator* ♀, ant. 22.

Calidius cinctus 2 ♀♀ on off red wood bark. 1 smaller, ant. 43; larger, ant. 45. [7 mtd. & labelled 30.3.1961.]

30th August 1952. Although glass had fallen to 45° for 48 hours this, like 29th, was a very nice warm, clouded day with much hot sun. 'Schoenberg' in afternoon breeze. During I & I drove to Woodend, east of Birmingham, W. & while they collected blackflies I did some work in two areas, as follows -

1. = side of lane facing W. side of bridge at Woodend
2. = edge of stream just below & just above bridge on main road, 100 yards N. of station 1.

Taken at 1. (4.30 - 5.0 PM.) [15 labels, Feb. 1955. The eleven remaining not labelled till 31.3.1961. A.V.5.]

Homocidus sp. 15, 3 ♀♀; none mtd.

Exochus scrutator Hal. ♀, ant. 24

30 & 32, cont. Woodend, Co. W., cont.

Taken at 1, cont.

Pimpla instigator, a very small ♀, ant. 23.

P. ruficornis ♀, ant. 23. *Exochus* sp. ♀, ant. 24.

Dacnusa sp. 3; not mtd.

Mesochorus sp. ♀, ant. 40.

Pimpla sp. 5; 3 mtd. [*Mesochorus marginatus* Bridg. ♀, ant. 27.

Adelius sp. ? ♂ (ant. 21); ♀ (ant. 26), terebra longer than statorum.

Adelius sp. ♀, ant. 24.

Mesochorus sp. 2 ♂♂, ant. both 29.

Exochus sp. ♂; not mtd.

Opius sp. ♂, ant. 21. *O. cf. longicornis* ♂, ant. 26.

O. stenos ♂, ant. 22 & 23.

O. cf. variator Hal. ♂, ant. 23.

Tetraneura sp. ♀, ant. 23.

Aspilota nemoralis ♂, ant. 18. *A. dentifemur* ♂, ant. 21; very strong venation!

A. cf. nemoralis ♂, ant. 19.

A. (Synaldis) gracilicornis ♂, ant. 24; ♀, ant. 21.

Aspilota sp. ♂, ant. 22. *A. dentifemur* ♂, ant. 23.

A. cf. nemoralis ♂, ant. 23. *A. gilvipes* ♂, ant. 29.

A. (Synaldis) fulvipes ♂, ant. 23. *A. (Synaldis) ♂, ant. 27.*

Bracon sp. not mtd. *Aphidius* sp. ♂; not mtd.

Rochus 12; none mtd.

Chalcid 1; not mtd.

Pachybracon sp. ♂, ant. 23.

30.8.52, cont. Woodend, Co. WI., cont.

Taken at 2. (S.O. to S. 40 P.M.) ^{Collected by J. H. 1952, the remaining 42 labelled on 2.4.1961.}

Cryptine 15: none mtd.

Barichneumon brevicornis Thoms. (= albicinctus) ♀, ant. 26.

Aerodactylus ruficornis ♀, not mtd.

Alloea ruficornis (= ventralis) ♂, ant. 28.

Polyblastus 4: 1 ♂, ant. 29. Stenomacrus ♂, ant. 31.

Proctos 4: none mtd.

Colletes brevicornis ♀, not mtd. Clinocentrus ventralis ♂, ant. 25.

Rogas of ruficornis ♂, ant. 28, full of eggs, 4 mtd.

R. brevis, large ♀, ant. 18; legs with black bands.

Sigalphus caudatus ♀. Pambolus of gracilis ♂, ant. 17.

Meteorus ruficornis ♀, ant. 23. M. fragilis ♀, ant. 21.

M. ♂, ant. 21. P. ruficornis ♂, ant. 21.

Ademon decessus ♀ (no mtd. in collection, but in 1952 mtd. 3).

Opius ruficornis (2 ♂♂ & ♀) none mtd. O. stenops ♂, ant. 23+22.

O. ♂ = O. exilis 2 ♀♀, ant. 24+25. O. cf. communis 10, 2 ♀♀, ant. 23, 24, 24.

O. paganus whi: ♀, ant. 20: very nice specimen.

Pentapleura fumica ♂, not mtd.

Aspilota ♀ = A. praecipua ^{small} ♀, ant. 25.

A. cf. fusca 2 ♀♀, ant. 18 (both). A. n. excavata ♀, ant. 19.

A. ruficornis 2 ♂♂, ant. 17. A. n. planifrons? ♂, ant. 23.

A. sp.? ♀, ant. 16. A. cf. n. minor 2, ♂, ant. 21.

30.8.52, cont. Woodend, Co. WI., cont.

Taken at 2, cont.

Diapriids 2: 1 ♂, ant. 22. 1 ♂, ant. 22.

D. aphanta in D. melanura. None of them mtd.

D. brevis ♂, ant. 32. D. ♂, ant. 36.

D. (Gyrocampa) affinis 3 (♂♂ & ♀): none mtd.

D. (G.) elegans (1 ♂ & ♀) 17: 3 ♂♂ (ant. all 26), 3 ♀♀ (ant. 23, 24, 24).

Chalcids 1: 1 ♀, ant. 20+21: similar to n. ruficornis!

Chalcids 2: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 3: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 4: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 5: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 6: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 7: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 8: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 9: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 10: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 11: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 12: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 13: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 14: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 15: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 16: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 17: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 18: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 19: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 20: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 21: 1 ♂, ant. 20+21: similar to n. ruficornis!

Chalcids 22: 1 ♂, ant. 20+21: similar to n. ruficornis!

31.8.52, cont. Royal Canal, Co. KD
Swift - Mr Mitchell plantation - Butterflies House!
Cratichneumon ♂ not mtd. (3) labelled - see 1957. the remainder (24) not labelled until April 1962!! AHS.
Brachichneumon albivittatus? ♂ not mtd. Oronotus brimotatus ♀, ant. 30.
Dacnusa pumilio ♀, not mtd.
Phaenocarpa fulvipes complex ♀♀ & 4-5 ♂♂ {only 2 mtd. see below}
P. tabulator Thunb. ♀, ant. 24 → of fulvipes complex, but sp.? ♀, ant. 24.
Cryptinids 2 ♀, but only 1 mtd = Pezomachus sp. black (small) long legs etc. ant. 21.
Heptamelus ♀, ant. 23, post. petiole broad, terga = abd.; small spines.
Plygmodon ♀, smoky wings, ant. 22, stout, abd. smooth & red in centre =
Atractodes? red abd., ant. 24 =
Glypta ? ? terga 2+3 long, terga ca abdomen. ♀, ant. 33. Ph. flavicornis? ♂ not mtd.
Promethes scutellatus ♂, ant. 25.
P. cognatus ♀, not mtd. P. pubescens ♂♂, ♀ not mtd.
Hemiteles pubescens ♂, small, var., ant. 19.
H. pictus, large ♀, ant. 31, red hind coxae!
Stenomacrus 2 = Andromacrus maculatus ♂, ant. 27
 & Endioborus pedatorius ♂, ant. 38.
Mesochorus 2 = mesochorus sp. ♂ ant. 31.
 & M. sp. ♂, ant. 37.
Orthocentrus? - more likely, ♂ of Pezomachus notatus, ant. 28.
Cteniscus sp. fulvipes ♀, ant. 26; hind tarsi white!
Mesochorus 2 ♂♂ (3+1): none mtd.

31.8.52, cont.
Campoplex sp. 1 } none mtd.
Campoplegid 7 }
Rhyssalus clavator ♀, ant. 23. Spathius exarator ♀, ant. 37.
Apanteles paucispinus ♀, ant. 24, small, pale.
Meteorus cf. abjectus ♀, ant. 27, face much narrowed below, elongate!
Blacus tropidus ♀, ant. 19. B. longipennis? ♂, ant. 9.
Opius concolor 5 ♀♀, ant. 23(3), 23(3). O. sternus sp. ♂, ant. 24.
O. generatus Th. ♂, ant. 39.
O. macropus mtd ♀, sternus ♂, ant. 20. Var. minor?
Alloea contracta ♀. Allyria lucicola ♂, ant. 38.
Phaenocarpa supra 3 ♂♂ & 2 ♀♀, all not mtd. one mtd. ♂, 26-seg. ant.
Aspilota cf. novi mtd. ♀, ant. 26, of ♀ taken at Knocklyon, 18.8.52, ant. 29 & 48.
A. fuscicornis ♀, ant. 17. A. cf. pumilio? ♀, ant. 21.
Orthocentrus sp. ♀, ant. X.
Stenomacrus pubescens & lucicola, 10: none mtd.
D. alpestris 3, small ♀♀, not mtd.
D. - uma ♀, ant. 35.
D. - terra ♀, ant. 39 & mainly testaceus!!
D. (G.) affinis 1 ♀, very small, not mtd.
Ephialtes plagiator ♀, not mtd. Stenomacrus ♂, ant. 25.
Aphidius sp. ♂, not mtd.

31.8.52, cont. Royal Canal, KD, cont.
Proctos 18: 3 Diapriids only mtd.

Chalcids 19: mtd Chalcids 388.

Laciniid 1 =

Zygon 1 = *Sargus flavipes* ♂

3.9 Sept. 1952. A cool morning after a windy night, but
sun, fine & sunny after 2 PM. Took several short
trips to the Royal Canal where I collected
up to Lynch Park, Co. DU. Some of the places are
two places as follows -

- 1 = edge of rough field taken near Lynch Park
- 2 = off Ash, chiefly, *Salix pyramidalis* & other hedge vegetation. 4.15 - 5.15 PM.

Lynch Park, DU.

Taken at 1. (ca 1,000 ft alt!) [12 labelled for 11.15.55. the remainder (18) labelled on 11.4.1962]

Pezomachus flavicornis ♀: not mtd.

Brachymeria pulchellus ♂, not mtd. *Homocidus ruber* ♂, not mtd.

Stenomacrus laevis ♀, not mtd. *Orthocentrus pictus* ♂, not mtd.

3.9.52, cont. Lynch Park, DU, cont.
Taken at 1, cont.

Theridionid ♀, ant. 18 =

Brachymeria variator ♂ not mtd. *Syrphid* ♂, not mtd.

Apanteles cf. *juniperator* ♀. *A. pallipes* ♀, damaged!

Microplitis ♂, ant. 21. *Opius* ♂, not mtd.

Opius seminudator ♂, not mtd. *O. rufus* ♂, ant. 21, not mtd.

O. leptostigma ♂, ant. 31 & 32, the former mtd. with head.

O. caesus Hal. ♀, ant. 25, very nice specimen.

Olyra ♂, ant. 18, ♀, ant. 22 & 20. *Phaenocarpa* cf. *minutissima* (♀), ant. 16, not mtd.

Dacnusa pubescens ♂ & ♀, abundant, both mtd.

Two each of *Microplitis*, *laciniator* & *maculipes*; none mtd.

D. areolaris ♂ & ♀, ant. (22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

D. cf. laevi ♂, ant. 20, ♀, ant. 21, both mtd.

D. areolaris ♀, ant. 22.

Ephedrus plagiator ♀ - the only Aphidid swept, not mtd.

Proctos 14: none mtd.

Chalcids very abundant, but only 6 mtd. not to Graham.

Lynx 1: not mtd.

Zygon 1 =

Microplitis 7: *maculipes* 1 (large) taken!

3.9.52 cont. Lynch Park, DU., cont.
Taken at 2 (Hedge - cont. 1st) to 800 feet alt.
Cryptids 10

Pimpla defuncta ♀

Stenomacrus notatus 1♂ St. parvulus 1♂

St. carbonariae Romer, small ♂, ant. 21 & larger ♂, ant. 23 { = melanostigma side
 & glaucosa side, 4-5

St. cf. superus ?? ♀, ant. 23 & 2♂♂ ant. 20 (21?), same parallel in ♀
certainly above middle of brachial vein but doubtfully so in ♂

St. maculata (? all this sp.): 3♂♂, ant. 24, 24, 25; 3♀♀, ant. 22, 24, 26, post. lat. smooth in ♀

Colletes cf. pratensis ♂, ant. 27, but head translucent

Exochus notatus ♂, ant. 26.

Mesochorus ? ♂, ant. 30 =

Homocidus signatus ♂

Mesochorus 2♂♂, 1♀

Camptoplegid 2

Theridion 2♂♂, 1♀

Microleptus splendidus ♂, ant. 19. [not included in my paper on P. M. N. 1961, Aug.]

Adelognathus dorsalis ♀, ant. 14.

Rogas cf. circumscriptus 6♂♂

R. nigricornis 1♂

3.9.52 cont. Lynch Park, DU., cont.
Taken at 2 cont.

Blacus trinitatus 3♂♂, ant. 11.

Adelius sp. ♂, ant. 46.

Exochus caripatus ♂

Rogas cf.

Proctos 22.

more with

Chalcids 2

Tryphon with stalked stipes 1

10th Sept. 1952 A bright dry day, with strong chilly E-NE. wind, after several very cold days & heavy rain or drizzle on 9th & 7th. Birds with sun in afternoon, so that the hum of insects in the trees & the buzz of bees at the pond & in mid-morning. In afternoon drove to Manor Kilbride & collected by sweeping in the area inside the house & the garden & the three roads, as noted in a following:-

1 = Road off back, 1/2 in N. 3/4 of bridge &

as far as 5th corner of same

2 = Southern edge of rough along road to & past bridge
swampy hollow filling the floor of the old quarry

26 g 22, cont.

Phoenix Park, DU.

In afternoon drove over to Phoenix Park & left car near White Gate, Castlebreak, & walked along boundary wall to foot of the Ferry Glen & back via the pond.

Swift here & there on route, but mainly under trees. I only went to foot of S. of White Gate, when looking for expectation, small hymenoptera were very plentiful!

Saw 2 *Sp. Red Head* & 1 Small Tortoiseshell butterfly & being reported seeing a *Scarabaeus*. *Chrysomelids* very plentiful at foot of boundary wall. The day is late this year & only a very little yet in flower.

Phoenix Park, DU.

Hemiptera 2 low all light green

[38 mounted & there killed 20.8. 1962 A.S.]

Diptera 5 *Stratiomys* & *Sargus* *flavipes* ♀

Beetle *Carabus* (black, with 2 whitish spots) =

Staphylinus *rufus* - ant. 37. - very dark & very pl!

Cryptinid 23 mostly *Scutellus* ♂♂ - attracted off

or *Pezomachus* 5 mounted = *Hemiteles* of *lucorum* ♀ ant. 22

Acanthomyia *viridis* ♂ ant. 24.

Hemiteles sp. ♀ ant. 20.
Pezomachus *irregularis* ♂ ant. 23.
♀ small ant. 20.

Lissonota *lucorum*? ♂, pale front - *caesus* - not mtd.

Stenopogon *atra* 100 *Polyblastus* *tuberosa*? ♂, dark wings ant. 24

Acrodactylus *hagens* ♀, ant. 21.

26 g 22, cont.

Phoenix Park DU, cont.

Homocidus *obscuripes* 1 mtd. *H. nigricornis* Thoms. ♀, ant. 24.

Stenomacrus *caudatus* Thoms. ♀, with abd. curled up at top! ant. 23.

St. carbonarius Romer. ♂ ant. 27.

*St. ^{near} *carbonarius**? ♀, small, ant. 24.

Stenomacrus ♂ ant. 27. *Lagochus* *sericeus* ♂ ant. 48.

Macromacrus sp. ♂ ant. 34.

Leptopygus *berpianus*? ♂. *Pezomachus* sp. ♀

Ch. p. p. p. 38% not kept & 10% = *Cynipids* - *lucorum* ♂ ant. 27.

Roga *circumscripta* ♂, mtd. *Apanteles* *fulvipes* group 38%.

Stenomacrus *irregularis* ♂ mtd. ♂♀ all ant. of 21-22, small.

Entedon *salicis* ♀ off bird: mtd. ♂♀ ant. 23.

Blacus *lucorum* 2 ♂♀, ant. both 17. *B. lucorum* group ♀, ant. 17, =

Cypselus *caesus* 1 ♂, not mtd. *Leptopygus* *pusillus* ♂, not mtd.

Allysa *contracta* 1 ♂, not mtd. *Allysa* *flavicornis* ♀, not mtd.

Allysa *circumscripta* ♂, ant. 23. *Stenomacrus* *irregularis* 2 ♂♂, not mtd.

Stenomacrus *irregularis* 2 ♂♂, 2 ♀♀, not mtd.

Apanteles sp. 20, including *A. ruficornis* ♂ with 17° structure of

radial. missing in both wings

A. dentifrons (14), *A. fuscicornis* (24), *A. picticornis* (10 & 98)

A. ruficornis (1) - Eight only mounted are as follows: -

A. ruficornis ♂ with dark nervation, ant. 22. *A. cf. p. p. p.* ♀, ant. 22.

A. cf. fuscicornis complex, 24, ant. 19 & 17. *A. cf. p. p. p.* ♀, ant. 19.

A. cf. picticornis ♂ & ♀, ant. both 17. *A. (S. mtd.)* sp. ♀, ant. 17.

14.10.52, cont. When passing "Landscape" saw a Small White Butterfly & later this specimen of *Plura gamma* flying in the light sunburnt sky during night of 13th 14th. There had been a very white ground of frost. Early flying in the garden. But at 8.40, & ice on the path, then to roof. Wasps were everywhere.

15th Oct. 1952. In afternoon walked from 54 bus to Wellington House, Templeogue Bridge & Butterfield Co. to Rathfarnham & home by bus - Daisy, J. & M. & Alan Mitchell. At the arboretum, which at the moment is a beautiful sight in Butterfield Avenue at Shelk - saw a ♀ *Bombus terrestris* on 5th Oct. (p. 38 ante.) today saw no less than 5 ♀♀ on it, of which one was *B. lucorum* & three (or probably four) were *B. terrestris*. Previous to, near Wellington House I had seen little or no *B. terrestris* anywhere. Before lunch, while Alan Mitchell & I were cutting out some branches of the *Rhamnus cathartica* tree in back garden to go to a cut & burn in north of *Quercus robur* varietal with pale blotches on shoulders of the elytra, but these otherwise black, brown black with white lateral margins & black face with 2 white spots. Then I mounted a grass to him later. There is one specimen like it only in nat. Mus. collection. & he destroyed it by accident!

5th Nov. 1952. Potentilla fragrans out on roadside just W. of Templeogue Bridge. Wasps very abundant at Long House in spite of not too good weather.

16th Nov. 1952. After small dull weather with misty rain & drizzle. Took 54 bus at 10.30 AM. & walked via Greenhills, & Tynan Bridge, to Fox House & home at 12.45 noon. Hazel by stream near Tynan Bridge mostly out. A dull morning & evening, sun out after much rain. No wasps seen during walk.

23rd Nov. 1952 Sunday. A most lovely day! Entirely sunny - blue sky, a few small clouds in the hills, or lying on the snow-covered summit above 2,000 feet, some quite thick, & very little W. air. In shelter one could have cut & read quite comfortably in the sun. After a fairly night & much dull, cold, & mist weather for last fortnight. Went by 54 bus at 10.30 to Greenhills, Tynan Bridge & home. & walked via the Greenhills & Tynan Bridge to Belvedere, Templeogue Bridge & back to home at Rathfarnham. At the highest point of the Greenhills escarpment, where the road runs between Fox Hill & Long House, Daisy saw a *Bombus lucorum* fly over the face of the sandpit behind end of the road & walk over to see it. It was a ♀ *Bombus lucorum* & we watched it crawling about at some pace of the road & sandpit, as if looking for a place to creep into.

12.11.52, cont. It seemed rather disorientated & gave me the impression that it had been confused by some accident from observation with the fairly ranged. Larder to pass the Arbutus trees in Butterfield Avenue we walked back to Rathfriland, but on reaching it we found it was in shade & the place very cold & saw no animals. Along the roadside saw many of *S. rufipes* & in one spot just W of the little one several *S. rufipes* & *S. rufipes*. Later found 5 *S. rufipes* open in the early Hazel of which the mile NW of Tynally, though as rather to be seen in wood, & in the field.

3rd Dec 1952. A lovely sunny day with light breeze, glass very high, with frost, nights; much snow on hills above 2000 ft. Went down by 2.15 bus to Fintona to end turkey & 2 hrs at 11th St. James (2) & got a dozen eggs (2.4.6) from Mrs. Perrella (Lifford, Knocklyon H.), & walked back to 54.41 bus at Fortfield Rd. Saw many Redwings in field N. of Enniscorthy for the first time this winter, down down by snow on hills, I suppose.

6th Dec 1952. Very light & breezy, glass for last few days: cold with light frost till 4th on 5th milder with SW-SE.

Jan & very heavy rain all ^{afternoon} evening & night. Almost hot on 6th, but E. breeze getting up at midday started a drip, very foggy (on 6th) - afternoon & evening. No fall - glass!

6.12.52, cont. In forenoon took bus to Rathfriland & walked via the narrow walls to landscape, Dudding Park & down via Rathfriland Avenue. Very cold - almost severe - weather, but no sign of snow seen at the plentiful supply of snow. However, though heavy snow was in at least the place - narrow walls & Fetherthorpe House - showing the flowers.

10th 25th Dec. 1952. Weather continued very unsettled, with severe gales about, much rain, some snow - effect of what Dublin missed the night - mainly cold, with two hot spells, the last of which a week before Xmas.

In spite of general low temperatures since Sept. many plants showing signs of spring - *Asplenium* *Barbula* long to flowers at Rathfriland, *Asplenium* *Barbula* in back garden, 3 *Sax. rufipes* under drawing room window on 24th & 1 *Sax. rufipes* *Asplenium* flowering shoots to same with 2 *Sax. rufipes* well up, etc. Some weather in England about 10th to 15th brought thousands of Redwings & other *Turdidae* into Ireland & some on the down then down so that the fields & the Dublin were full of them from 15th onwards & the birds seen on 23rd Nov.

1953.

1st to 9th Jan 1953. mainly cold & dull with some frosty nights. but suddenly turned mild on 8th & very mild on 9th. On 12th saw snowdrops out at the old mill W of Templeogue Bridge & the first flowers on Droghda Lane's opening in back of hall door, 14th with 1st. On 13th snowdrops kept back by frost, with not much seen till 18th.

balancing. By lane from Rathfarnham to the narrow Ballinacorney bridge road, to open on 6th — the site not likely to survive — more than a few months owing to the making of a new road from Dunsdown Churchtown direction through Nut Grove (& past the site) to Rathfarnham.

Having found hundreds of thousands of Redwings in all the grazing fields, but only two fieldfares recognized. Sax. spicata in front garden & some other plants showing signs of Spring & the early buds of Mediterranean plants in back garden almost out.

9th-26th Jan 1953. mainly mild & dull, not much rain, a few frosty nights & bright sunny days, with dry, so that by 25th Ben Bulbin almost down to summer level; by which date saw signs of spring here & there in gardens & hedgerows.

January 1953, cont.

Yellow crocuses out in Macnamara's front garden, 10th, Clonsilla Road & quite a few well out in garden in Orwell Park, Rathgar, on 26th. Winter crocuses out in Orwell Park as early as 15th & probably out some time & during this kind out on 26th — not *his stylata*! but species with flowers on short stalks & no leaves. Our crocuses only just showing yellow now on the date. On 20th moved one of the three remaining plants of *Scilla non-scripta* (from 12th Jan 1951) grown from bulb 1951. Which has remained same size for eighteen months, to pot & brought indoors as it is obviously determined not to flower or even live in large pot in yard. Also with it brought in one seedling *Amorpha* ^{rubra} of same origin.

27th Jan 53. After a mild night with westerly gale & rain, leaves of *Sax. spicata* up in front garden & *Sax. spicata* in back garden very near in flower. *Brachyotum* out in garden. *Brachyotum* in front garden & the ground nearly level showing signs of a change.

29th Jan '53. Our first yellow crocuses in flower. Still mild.

30th Jan 53. Mild with strong SW wind & falling glass. A afternoon walked from bus at Rathfarnham up through road to Orwell Park & back to Rathfarnham via back road & Rathfarnham station. saw many full flowers near Mt. Venus.

31st Jan 1953. Very cold, snow & rain in morning, but mainly sunny later, much colder than yesterday, glass falling heavily but not very low. On the day the steamer *Princess Victoria* foundered on journey from Shetland to Larne which the old boat would never have done.

1st Feb. George home for week end with car, so in forenoon he drove us to the Brittas Road, & we walked up to the col 5 of St. Clare's Thicket in butchery & back to the car. The fine Shropshire Swan was in the lower pond & reported frequently later by Brinkley & others. Cold, with NW breeze, but without sun all day.

2nd Feb. Still cold, but wind now NE. nothing new. *Saxifraga oppositifolia* in 4th border back garden with several flowers, but badly torn up by cat during previous night. *Daphne blagayana* with 6 pale flowers open. Many yellow Crocuses in front garden now in flower & Purple ones with buds showing.

10th Feb. 1953. Heavy fall in gales during night of 9th 10th Feb. & rain & snow fell heavily but the snow did not lie. Dublin. In afternoon walked to Small Bridge, Lane, & down Dodder to Bally & so home. Saw Brinkley's early hollyhock in flower on left bank of Dodder 40 yards below Small Bridge. The *Porphyria* in Bally

Road, near old tram terminus, which had a few flowers in it a fortnight ago, now with signs of budding of flowers. This bush a few years ago produced a few flowers on one branch before 2 am. - I think in Dec. but given several later.

Tradescantia in back garden - the most of buds in with a few flowers open since 1 day ago! Many signs of growth in garden & several flowering, but most buds about in flower in Ballygar.

14th Feb. 1953. A very wet day, a mild W. air started with the cold from Brittas.

15th - 16th. Very mild, dull & drizzly at times. On 16th Miss Odell, the Seilla out at Bontopp's in St. James' Terrace, to look at the plants she gave me some years ago with first flowers open on 17th.

Chimaphila with several flowers ready to open on 15th, but no sun. *Buxus* in back garden in flower & with the small flowers for some time on 15th. & signs of opening in all the garden & district.

18th. Fog seen flattened & covered 4 of Ballygar. 19th.

20th. *Chimaphila* in front garden & *Chimaphila* in Ballygar Park & at Rosary Church with some flowers out.

21st. Large flowered *Saxifraga oppositifolia* in front garden, as well as 3 Purple Crocuses in flower. Breeze continued mild & weather clear & forced to start feeding the snails in water house today. Aphids with yellow appeared on some Scotch Plant in pots in garden.

22nd Feb. 1953. Our Frog - which is a female - seen in back garden in forenoon & when Daisy offered her a white enamelled dish of water she jumped into it at once although she could not see the water in it as 3 to 4 inches above her head. She did not stay in the water more than a few moments, but jumped into it a few minutes later & again out.

23rd & 24th Feb. Daffodils now out in some garden, probably those planted each autumn only. On 23rd took 2 cars to Whitechurch & walked round part St. Columba's College & Grange road & back to Rathfarnham bus. Still very mild, but strong SW - W wind. On 24th walked to Rathfarnham Bridge & down road to Derrinstown & home. *Viola Reichenbachiana* out in the Derrinstown Park, above Orwell Bridge, & seen out on 24th in Grange Road, near Ballinacorney. Many others in flower & *Salix* sp. in flower above the river & below Rathfarnham Bridge.

25th Feb. mild & very windy (W-SW). First catches on *Scilla maritima* (red) & *Platanus orientalis* & *Chilodactylus* No. 6 in front garden. *Salix emerea* in back garden showing signs of leafing.

26th Feb. A lovely hot sunny day. Mostly a cloud & very hot sun. Rather strong SW wind in forenoon, but very strong in afternoon, when Daisy saw a small one (probably *B. tenebris* for description) & a Small Tortoiseshell & butterfly in front garden & later we both saw a ♀

26.2.53 cont. *Biogramma* at *Desfontainia* & I heard & saw a large small black fly across the back garden, which is either *B. tenebris* or *tenax* & may have been the one seen previously by Daisy in front garden. The flowers open on flowering currant in back garden, as well as a flower on the large *Sorbus* tree off in W. garden. Our Forsythia were out & *Chionodoxa* in buds. *Scilla maritima* in front garden & *Viola* in back garden in flower.

27th Feb. 6th March. Almost continuous mist or fog during the week & very cold with frost at night towards the end of it. Virtually no wind & glass steady at 30.5°. Same conditions over most of rest of the week.

5th March 1953. Late 7th a very beautiful spring day after a white frost. First driven by E. & A. Baynes to head of Glencalore at the ford of Baranore, where he in 1947 (Spring) bred a brown Lepidoptera (*Chrysomelid* *tenax*, St.) & its parasite (*Pentatomus* *schultzeana*) from swallows on birch twigs, which he found on right bank of the river just below the ford. We collected over a dozen of these galled twigs which Baynes took back to try his luck with them. The whole place at Baranore was planted with conifers around the circular moraine. Left about 2.30 & home at 4 PM. via Rathdrum & The Scalp. Garden appears to be in front of garden - one flower.

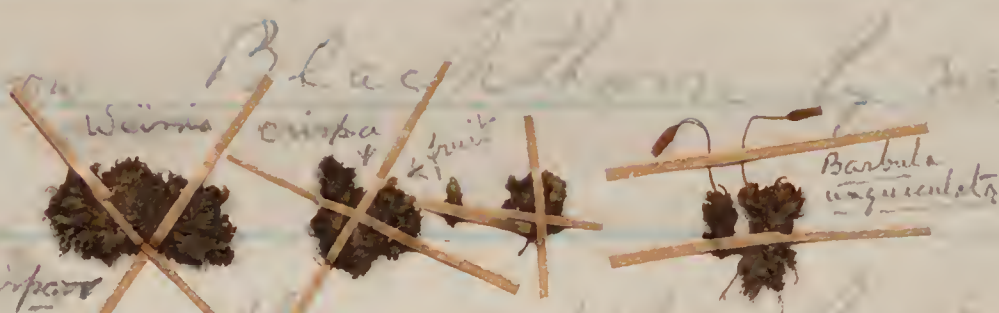


Tachyla
intermedia.

15 3 93, cont. - Saw *Vicia sativa* just in flower in the same place just N. of Tyne Castle & a few yards from the N. wall saw a brilliant red flower in a garden of *Lamium*, ^{album 1954!!} ~~the flower~~ with many flowers of the same color. The old pot of the *Lamium* S. of the castle & opposite from the same is diminished. The early Hazel was in leaf, & several flowers were on Blackthorn & near roots from Crumlin to Tallaght.

Weissia crispata
In back garden

~~*Weissia crispata*~~
~~*Circaea*~~
~~*Spiz*~~
~~*Barbula unguiculata*~~
~~*Tortula laevipila*~~





Thomson
intellens (fide Miss Thomson) In path below upper dam,
Glenasmole Co. DU 24.3.53.

21st - 24th March 1953. Still calm & dry, with almost frosty nights & a lot of sea mist, mixed with hot sun.

On 24th took 1.25 bus to Boleynstown & walked up Glenasmole to upper dam & back to road at 2.25 bus time. CHIEF-CHIEFS heard by Daisy in many places but my ears were incapable of hearing them within close, but I heard them in two places. We had hoped to hear them by the Dodder on 21st but a cold sea mist may have spoiled our chance on that day.

On 24th in Glenasmole we saw a bird & a lot of Bramble Broom, but only *R. lucorum* & *gossypium* identified for certain, though *apricum* probably as well. Daisy - *Andrena gurganea* etc. frequently recorded. These were recorded every year in 1951. *Andrena clarkella* & many *Andrena* *longipes* seen on sand, stiff in woods below the dam & upper dam. *Andrena* *remota* - flower at small place in wood 200 yards below castle tower house - was empty & Mr. Murphy left last Oct & he was replaced by a resident *Andrena*.

Varroa *capa* & found swimming themselves below upper dam. Coll. a few more for Miss Thomson, see above. * One *Ptilinopus* *distans* & also seen "searching" & beautiful fly.

25th March 53. A perfect day after early morning mist but glass falling the last month. Anticipation looks like going to sea & sea. Very hot sun all day & faint S.W. breeze in afternoon. Had car out for first time this year & after collecting eggs at Hillcrest, Templeogue, drove on to judge's Brick in Slade of Saggart, where left car & walked E. up lane towards Mount-Dublin & back across country to car "on the cross flint". Saw nothing to report, except signs of spring change - the weather. NB Rain fell on night of 25th 26th & 27th.

26th March 1953. A fine bright day with dry S.W. breeze & falling glass. In afternoon drove to Kippure House gate, Glendown Co. DU, & spent 1 1/2 hours looking for galled trees on Birch trees, but found only three beautiful galls of *Leucopis* which brought down near Britton saw a Wheatear by bridge at Co. DU-WI boundary. Collected some more for Miss Thomson in Glendown Brook & R. Liffey, & some in trees nearby. *Ranunculus* *acris* in flower as usual, in swamp near R. Liffey. First red *Monarda* *Saxifraga* by path to gate in front garden out. Rain & strong wind during night of 27th 28th.

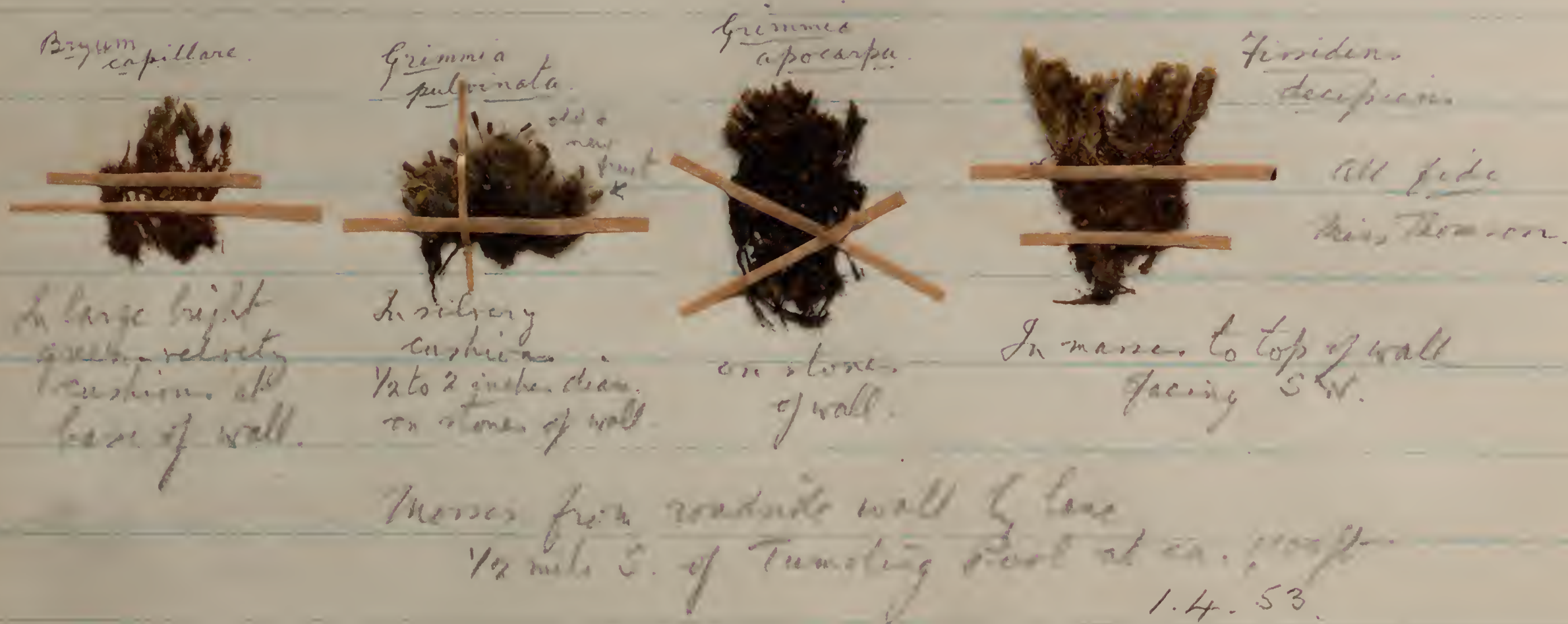
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28th March 1953. A fine bright day with dry S.W. breeze & falling glass. In afternoon drove to Kippure House gate, Glendown Co. DU, & spent 1 1/2 hours looking for galled trees on Birch trees, but found only three beautiful galls of *Leucopis* which brought down near Britton saw a Wheatear by bridge at Co. DU-WI boundary. Collected some more for Miss Thomson in Glendown Brook & R. Liffey, & some in trees nearby. *Ranunculus* *acris* in flower as usual, in swamp near R. Liffey. First red *Monarda* *Saxifraga* by path to gate in front garden out. Rain & strong wind during night of 27th 28th.



28th March - 1st April 1953. Rather broken weather with heavy showers, some sleet or hail, high W. wind & very hot sunbursts intermined. In spite of general chill garden plants somewhat damaged after the showers following a very dry month, but in the hills grass very green & little or no snow, though the Whins - those not burnt on St. Patrick's Day - well in flower up to 1000 ft.

On 1st April drove to foot of lane above Johnston, Co. DU., & walked up & over Knockreecliff to Ballinascorney & back. Collected some mosses for Miss Thomson off a wall on S. side of the highest point, of which the species mounted below. Then taken at about 1100 feet alt.



April 3, 1953. After a cold day & night with heavy showers the hills at 8 AM. the morning was quite white with snow, but continuous rain from a blue sky had by noon melted this. In afternoon drove to Wood of Phoenix Park where left car at White Gate & walked to foot of the Tully Glen & back to car, but saw no bird migrants around the pond. By this time the sky had clouded over & a strong cold E. wind was blowing, which was SE at Harold's Cross on our return here. An overcast W. of the pond in the Tully Glen now raised in a plantation apparently with young *Sycamore* trees exclusively. This was planted at top of the slope by the old mill plantation from which the surrounding vegetation has been removed & the trees open.

14th April. Fresh snow on hills this morning & reported in paper as having fallen in many parts of the country including Kilkenny & other parts of Kerry. Received a letter from J. F. Perkins by first post - dated 26th March, but postmarked 2nd April - with name for beetle which I had sent him ten days ago. The find is a *Phaenogenes* ♀ from which I could only run down in *Schmidtopf's* key to *Microgaster manicata*, but did not believe.

4. 11. 33 cont. Perkins agrees it is the same as that it is the first specimen to be seen from the British Isles. The second belongs to a species which has long puzzled me; ~~and which was not identified~~ the 2nd I sent him was taken at

He names it *Dolichoceros longicauda* Stoll apparently described from a single ♀ (at 1000 ft). It is placed by Schmidt in the *Maculicornis* group. ~~It is placed by Schmidt in the Maculicornis group. It is placed by Schmidt in the Maculicornis group.~~ My series of 4 are as follows: -

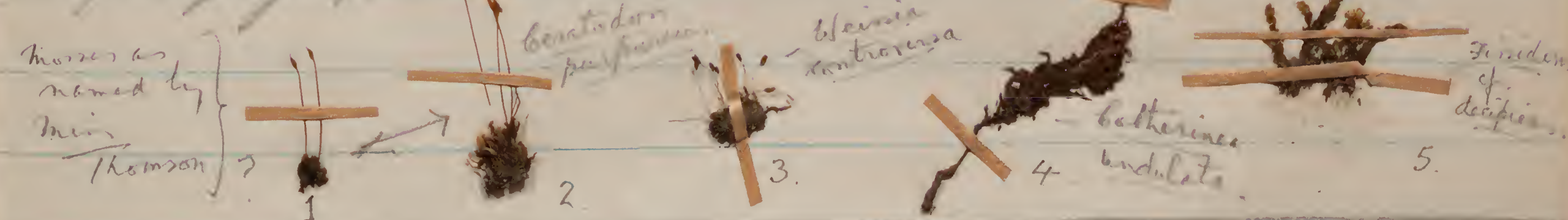
- Borris, Co. Wick. 10. 6. 1938. ^{These 3 ♂♂ are all *acanthopneustes*!}
- Gliddon, WI. 19. 6. 1938.
- Glara, WI. 4. 9. 1938. ^{dentifera!}
- Kippure Ho. Gliddon, WI. 20. 9. 48.

From the data it will be seen that it must at least have two broods in the year! One of the ♂♂ taken on 26. 9. 48. put to J. P. Perkins today for Brit. Mus. collection.

6th April. Easter Monday. After heavy rain at night, much dry in Dublin, still in forenoon, clear & sunny in early afternoon & the heavy hail shower. In afternoon dinner by George (home for week-end) to Judge Birch

in Slade's Cottage, where left car & walked to the S. & being up to the top of the hill & E. across grass & near to corner of the new Forestry plantation on Knockree, all at 1100 ft. There we had a splendid view of the big hills, deep in snow above 1500 ft. Has seldom seen the hills so empty & purely white - even in mid winter. On return walk during a hot sunburst saw a ♂ *Dolichoceros* flying over grass just E. of the road at Mt. Sackin & caught it. It proved as expected to be 2. *dentifera*. Ten minutes later a heavy hail shower passed over before we got back to car.

In forenoon after sun had come out saw a ♀ *Vespa vulgaris* flying in back garden - rather unusual after the last week's weather. Collected a few more at about 1150 ft. in bare grazing field above Mt. Sackin. These included:



7th April. A most perfect day, no wind, all sun. Saw Small White Butterfly in front garden at noon, & ♀ *Vespa vulgaris* & several *Bombus* in back garden in afternoon.

8th April 1953. Another perfect day, wind E. & cool, but hot sun from dawn to dusk. In afternoon drove to Glenamole & left car at caretaker's lodge - usual - the lodge was empty, as Mr. Murphy gave to a job elsewhere & not back, appointed in his place. Walked up E. side of upper lake (a scrub & glen between the dam & St. Ann's Church) & back to car at 4.30.

Heard several Willow Warblers at NE corner of the lake, but missing fully - as if tired - & watched one feeding on Soler & saw it sing. Also saw a red Squirrel by the old fort over the Dodder below the foot bridge & a very small ♂ Orange Tip Butterfly at east end of the dam, as well as several Peewees & Small Tortoiseshell Butterflies, *Bombus lucorum* & a *Bombus* (at grass) ♀♀. Swifts & a Campoplegid etc. at flowers of Blackthorn with no more ant. & head not raised behind the eyes - otherwise like *Angitia* =

9th April. An all sunny day but with strong NW wind.

10th April. A more sunny day, with gusts W-SW wind. Dried the top of lake & in cold rain left some in rain at 12 noon & drove to Derry Lodge on Royal Canal, taking car lunch with us. Walked W. for 1/2 mile along the path & after lunch did a bit of sweeping - but by then

the clouds had covered the sun & half of the morning so little out except a few Peewees & Small Tortoiseshell Butterflies & all swept on way back to car were -

Hammer ♂, ♀, ant. 21.

Geometra lineifera var. with dark legs 10, 19, ant. 21.

Megastoma varians var. ant. 21.

Gynopis 1, ant. 15.

Scutella & a few *Agrotis* ? for better.

On return to car walked E. up to Ballinacorney Ho. & Plantage & after with anticipation that the rain of my morning the crab & apple in hedge just W. of the plantation & which I thought had cut the stem of last autumn was now quite dead. *Sycamore* in hedge just in flower & *Bombus* out along tree path.

11th April 1953. After a very stormy night, when rain fell heavily, rain set in about 5.30 AM & continued for rest of day, light at first with strong SW wind but heavy in afternoon. Rain had stopped by dusk when a glow. Walked up in rain of afternoon.

12th-18th April 1953. Cold, mainly dull weather, continued all week, with light frost at night in the early part. Nevertheless growth in garden & hedges continued - that to *Hamamelis* & *Syringa*. The Early Purple Orchid & various anemones in flower in back garden by 18th. The Orchid I collected before rain had & *Torville*. Co. Antrim in May 1913 when with R. J. Welch we were making the

18.4.53, cont.]

arrangements for the 50th Anniversary, Excursion of the Belfast Nat. Field Club.

19th April 53. A lovely day after a windy morning, & dull weather. In forenoon drove to Rathfriland, via Brittas & left car at quarry to visit John the Slane's house & walked towards Killybegs Camp. It was a fine forestry plantation on a slope of Dalman limestone. Off on to road & looked at the patch of *Lychnis viscaria* discovered here on

Also saw the moss *Bartramia pomiformis* in shaded part on the west side of the road just above the last farm on that side & at same place took a ♀ *Schizura* ^(very new tubular) ^(but quite good) ant. 26, crawling about on the tarmac road.

In afternoon in back garden saw a lovely first *Andrena nigroscia* ♀, also a *Vespa vulgaris* ♀, sawing through, & caught a ♂ *Phygadeuon* ich, black with white cheeks & white mandibles, ant. 24, running on bare soil =

20th & 21st April. Both fine sunny days after windy morning's but very cold E. wind on 20th. Much more genial on 21st & in afternoon drove to "Three Castles" between Blenheim & Ballymore Bridge & walked to the top of Golden Hill, looked at the wrecked tumulus & stone circle on the side of the summit, & walked back to the car. Very many *Bombus*

21.4.53, cont.]

seen & also 1 ♂ *Andrena (ignita)* & 2 ♀♀ *Polyommatus* distinct, most *Bombus* were *lucorum* & one seen at flowers of gorse, others at *Taraxacum*; very fresh, dark, ♀ *B. agrorum* seen at flowers of *Viola riviniana*. One green veined white & several ♂ Wood White, seen, as well as Small Tortoiseshells & Peacocks. A rather good quantity of between Tullaght & Johnston saw one first Swallow of the season - all above & sitting on telegraph wires.

In back garden *Salix* as usual, from November 1950, in flower for about a week; ponds on *Oranunda* appearing at the old plant of *Euphorbia* *lanceolata* in front garden showing, nearly, probably the last few days & nearly in flower.

22nd April 53. Another all sunny day with E. wind. In afternoon drove to Glenasmole & left car at middle lodge & walked. Then walked across fields to road along W. side of glen & along it to back of garden & back to car. Saw one Sand Martin & heard one cuckoo - the latter at back of water garden.

Chiffchaffs about the edge of Willow Wood in evening. Tried a little sweeping, but only ^{also a ♀ *Stenogramma fulvipes* ant. 24.} *Psephenus* ^{ant. 24.} & a ♀ *Dacnusa* - probably *D. areolaris* (ant. 20) Saw a Large White Butterfly in front garden in forenoon (Pace) & a ♂ dulle in Glenasmole in the afternoon, as well as a Spotted Wood & a ♂ Orange Tip. ^{*Apanteles* cf. *reticulatus* Hal. in garden.}

29th April 1953 Great perfect sunny day! All sunny & very soft & warm, with merely a breath of wind from SE.

24th April. Mainly cloudy, & much colder than last two days, & wind W - NW. Light. In afternoon drove to lane above Foston, Co. DU, & walked up lane about to Trenching & the cut across fields & past the twisted hill farm on the ridge of Knocknagrin & back to Trenching & car.

In evening, 7 PM (S.T.) while getting coal found a ♀ *Bombus pratorum* investigating coal heap in coal house & watched her for several minutes. She eventually flew out into the garden.

25th April. Mainly dull & chilly with NW-W. wind in early part & E. later. A few gleams of sun, but depression approaching from the west. In afternoon George, home for week end, drove us to Greytown to call on Mrs Palmer & Mr. Barry called to her, he & I walked along the coast to visit Bray Head, where the old station, built in 1870, is now threatened by the sea in several places.

On return home at 5.30 PM came a ♀ (worker) of *Bombus jonellus* at entrance of *Setis rugosa* ♀ in back garden!

26th April 1953. Rain started about 6 AM & continued until 10 PM, causing water growth in many plants in garden in spite of fact that temperature was 50°. Sun came out about 11.30 AM but glass still falling. Both plants of *Euphorbia* in front garden in flower, though not as early as flowering ^{a week} ~~two days~~ ago! (See p. 60!)

In afternoon George drove us to the top of Foston Glen above Bohernabreena. K. & I walked up the road to Papinstown & on up towards the Feather Bed road for about 6 miles & to about 1150 ft. (about 20 ft. more for each 10 back) of small stream flowing the side of lane S. of Papinstown & on. much Calluna in the stream & clumps of *Calluna* in flower on face of rock on which stream flows when full. Much *Orchis* *maria* & *lucida* in flower in pasture N of road between 500 & 900 feet, & *Carduus* *pratensis* & *Berula* in flower by roadside.

27th April. Rain commenced about 6 AM, with E. SE wind & continued for nearly 24 hours, followed by bright period & shower on 28th, but with much cold except during sun bursts & out of wind, which backed during 28th from NE to NW during the day. Glass low (29.2) all day & first after 2 days fall.

28th 30th April 1953. Cold, with bright periods & showers, though very wet on evening & night of 28th. On afternoon of 29th drove to Bannockburn & walked up to Lyned Park & back to car, but made no attempt to collect & rain again came on & lasted till midnight. On afternoon of 30th drove to W. end of the Phoenix Park & did a little sweeping along boundary wall W. of White's Gate before a heavy shower made further sweeping impossible.

Here swept the following: — Phoenix Park, Co. DU.

Phygadeuonid ♂, large antler =

Apanteles of *pallopus* ♂ seen with darkened legs?

Aspilota sp. ♂ (ant. 25) & ♀ (ant. 21), numerous specimens, mostly with dark legs, largest black legs.

Cephus sp. 3: all males

Chalcid: yellow specimen =

1st May 1953. A lovely sunny day. In afternoon drove to Tinnahilly, Co. Down, & walked up to the top of Cupidstown Hill, Co. DU., alt. 1246 ft. Collected some mosses for Miss Thomas around the summit — mostly along ditch & a boulder on highest point. From there a wonderful view in all directions: the summit of Loughmuckish clearly visible & deeply covered with snow drifts above about 2,700 ft. on N. face.

2nd May 1953. In afternoon drove, with Miss J. S. Thomas, first to Mount Senkin & later to Ballymacorney Gap & up the Killbuck camp road for a mile to the car. There the moss *Deschampsia flexuosa* grows on ditch west of the road & just E. of the car park on that side. I follow the 100 yds. plantation



3rd May 53. Another absolutely perfect day! All day sun, with some gentle E. breeze. Drove to Rathfriland, Co. Wicklow & back along the Wicklow Road & left car at highest point S. of the camp, 1245 ft., then walked up N. face of Searfangan & had lunch on cairn (2,045 ft.). After lunch walked E. across wetland near S. of head of the "Ruddy Gash" which drains down into the military camp, to cairn on Searfangan (2,364 ft.) & then back to the car via much the same route. Many insects flying — *Bombus lucorum* (many ♀♀), *Andrena lapidaria* (a few ♀♀ & 1 ♂ seen by car on Searfangan) & *Vespa* (2 or 3 ♀♀) seen at flowers of *Vaccinium myrtillus*. *Colletes* seen in dragon wings. Bees flying over the meadow. And many *Ichneumonids* seen on the way. The following

3, 5 53, cont.

Seepins & Seepings, Co. WI.

41. *peruviana* (H. & A.) S. B. 13. 6. 53.]

3.5. 53, cont.

Seefinn, Wt, cont.

5.5.53. cont. Tallotstown, Co. WI., cont.

The following insects swept along old avenue
W. of Tallotstown Ho. & S. of Binnle River.

Polyommatus eldredae ♀

Carletonia ♂ & ♀

Heptamelis 5000, various spp.

Homocidus *abundans* ♂ & *Promethes* *laticarpus* ♂

Bracon *sp.* ♂ ant. 32. *B. cf. maculatus* ♀, ant. 36.

Oncophanes *lanceolator* 1 minute ♂, ant. 23.

Apanteles pallipes group 3, none mtd.

Aspilota (*Typhlocyba*) *concolor* ♂, very wide head? Not mtd.

Dacnusa areolaris 7 & 3, none =

D. confinis ♀, ant. 23: a early det.?

D. cf. affinis, dark var.? 2000, ant. 25 & 30. (very very dark wings, distinctly not)

Aphidius spp. 9 small ♂ & ♀. Not mtd.

Praon 10, none mtd.

Chalcids 3, not mtd.

Cynipids 7, none mtd.

Jumping beetle = *Phyllotreta* *minuta*?

5.5.53. On the day Robert David Breger died in
nursing home - Belfast, following a "small operation"
the previous week, in his 88th year. At a meeting
the R.I. Acad. Soc. & R.I. Acad. Soc. - of which he was
an original member - I was requested to write an

appreciation of him as a naturalist for the Irish Times.

This I delivered to B. D. Tennison at R.I.A. on

the morning of the 8th May for his opinion & revision.

It appeared in the Irish Times the following day with the

usual ^{day-long} ~~day-long~~ readings of the modern press.

8th May 1953. Still dry, but like 7th, mainly cloudy.

I therefore not so hot as the previous days. In afternoon

drove to Ballinacorney, ca. 1000 ft, where swept in

pine plantation for half an hour & then walked up the

lane to Knocknaree & then Trenching, Bore &

back to car. Saw first Small butterfly *Colias* of the

season. In the plantation at Ballinacorney, House

swept the following insects: - *the* *D.V.* *Tallotstown* 10.5.53.

Saigley *Egg-eater* *lanceolator* 2000 (1 on branch & 1 on bark) Not mtd.

Ich. - *Cryptid*, 4 ♂ & ♀, 2 ♂ & ♀ (*Phygadeuon* or *Heptamelis*)

none mtd.

Perilissus cf. *maculatus* Bridgman? ant. 29.

Stenomacrus ♂, with areolet; ant. 26.

Campoplegid ♂: not mtd.

Aspilota cf. 10, 1 ♀: not mtd.

Aphidius, 3 ♂ & ♀: not mtd.

Homocidus fly 1 =

Deucalion 1: not mtd.

10th May 1953. Another perfect day - all hot sun & not a cloud. Left home in car at 15.00 & drove to upper Liffey valley south of Sally Gap. When left car at bridge on R. Liffey, ca. 2200 ft. I walked up the river for 1/2 mile & then cut across the river to N. & on to summit of Kippure. 2,473 ft., on which with 1/2 hr. had been before & it is bare granite, sand & boulders & no plants of any interest to the insect collector. By 1.15 I had reached route & passed the bridge. Left car at home about 4.40 & home 5.30. Had a little sweeping on way up & down but except *Euphranta* & the purple *Chrysobothris* not many insects about. However took the following before 12.50 ft. & 2000 ft. 3,300 feet -

S. slope of Kippure, Co. Wick.

Bombus lucorum common, 2500 ft.
Andrena chlorinotarsus 1000 ft. flying round but not seen coming in to flower at 1250 ft. by river.
Vespa ruficornis ♀ collecting pulp off at last dead branch.
Trichogramma sp. (10-15) on wet bark at 1250 ft. but failed to sweep it off & preserve a lot of it.

10.5.53, cont. S. slope of Kippure, Co. Wick, cont.
Nematode mostly ♀ in rocky place at 2,000 ft. = *Phaenocarpa*?
Dolerus asper ♂ & ♀ every where among the rocks.
Stenobothrus sp. ♂, ant. 21. *H. sp.* 2 small black ones.
Phygadeuon sp. 224
Mesochorus ♂, red abd. (♂ off at last) =
Campoplex 2

Apanteles scabrator? ♀ all abd segments some light punctured, legs 22 mainly dark.
Aspilota nigrescens ♀, ant. 12 very nice specimen.
Aphidius spp. 2 = *A. sp.*? ♀, ant. 16-17, last 2 segments united!
Praon 3: none mtd. *A. sp.*? ♂, ant. 17, small black sp., no united segs!
Chalcid 1 =
Cynipid 2: 2 not mtd.
Diptera 2 =
 Bees: *Aphodius*, black sp., small, =

11th & 12th May. Still many & dry with E wind but signs of approaching change. On afternoon of 12th drove to "Judge's Field" in Slacks of Saggart & walked E. over hill to Mount Scurry. Tried sweeping in lane at ca. 1100 ft. but too windy & took only one ♂, ant. 30, *Perizonia* (♂) & a ♂ *Monobdella* sp. At this height saw field E. of lane (facing across the valley to the De Selby quarries) full of *Viola lutea* & a lovely sight. Still - few *Andrena* in last week's *Viola* & *Salix* etc.

13th May 1953. Dull, cold, SE wind, & drizzle from 12 noon onward. — sometimes heavy. The first rain we have had since last week in April & will do much good. Growth in garden visible! although temperature low.

14th May. Also mainly wet after a hot night.

15th May. Much milder, but very windy — first S.E., later S.W.-W. No rain but a few spots. Heavy in the wind nearly all afternoon & evening. Glass low & steady for several days!

Bought a ♂ *Hemiteles* sp. — ant. 28, on kitchen window at 2 P.M. — possibly out of cover — thick. Brought home to light first — looks very good!

In forenoon went to Merion Square to pick up a ♀ *Macrocampa* bred by E.S.A. Baynes from bored *Salix* twigs found by him near Glangriff, W. Cork, in April, & which he believed contain larvae or pupae of *Sarcophagidae*, which emerged on 13th. He had previously given me a ♀ bred on 10th from same source. These both belong to the species taken by me at Old Head, W. Mayo, on 28.5.42 & named *squamularis* n.sp. I am now strongly inclined to think these are the true *M. marginalis* Rees, while Marshall's *marginalis* so common in August, may be *undulatus* Rees.

[Lady Slack 1964: agrees with the opinion. AWS. 9.11.1965.]

17th May 1953. Very windy (SW) with heavy rain.

18th Wind E, chilly & strong & wind, with sun after 12 noon, but mainly rainy otherwise & a severe day with depression approaching from SW.

Went by bus, alone, to Ballymunt & spent from 11 till 4.30 on the North Bull. Sifted in the areas as follows: —

1 = Salt marsh inside golf links from 11 AM.

till 1 PM. & again between 3.30 & 4.30.

2 = Sandhills outside golf links & beyond St Anne's golf club down to the shore path & back to Ballymunt.

Very few insects out in morning & most few in afternoon although conditions seemed better.

N. Bull, Co. DU.

Taken at 1. *Phygadeuon* sp. 2000, not mtd.

Alucoides luteicornis? or not mtd.

Pezomachus 2 ♂♂, ant. 21 & 22 =

Angitia? or 2nd mtd.

Bracon anthracinus ♀: not mtd.

B. praeternaturalis 1 ♂, 4 ♀♀, ant. ♂ 19, ♀♀ 25/26, 27, 27, 30. 1 ♂, 1 ♀, 1 ♂, 1 ♀.

Apanteles cf. *pallipes* 5: not mtd.

Pimpla *aethiops* 1 ♂, not mtd, & a minute ♀, ca. 1.5-1.75 mm, with only 20-seg. antennae.

23.5.53. Very soft & warm, with much sun & strong SW. wind, after heavy rain at night.
 In afternoon George, Sam & I went out, drove in to Johnston, Co. DU., between Killybegs & Killybegs, & while L. & D. being walked up to S. of Shinn Traub, collected by sweeping roadside, chiefly the sheltered S. side of by-road leading to Shinn Traub, but one or two brief sweeps on the Killybegs road along wall of Johnston House. 2.15 to 4.30 P.M.

Johnston, Co. DU.

Euphorbia 11 (with 1000)

- Chalcididae* ♂, very small sp.!
- Bombus cognatus* 2♂♂ *Homocidus flavipes* 1
- Sphex ruficornis* 3 1♀
- Triclistus longicauda* 1 ♂, 1 ♀, ant. both 27.
- Stenomacrus* 2: *St. curvicauda*, 10♂, 1♀, ant. both 25.
- Picrostigma*? sp. ♂, ant. 27.
- Chrysopidae* 7

Pezomachus 5 = *Theridion* (cf. *marginatus* Hal. or *marginatus*?) 3♂♂, 20, 21, 21.
 for at sp. ♂ ant. 22; ♀ ant. 20 =

23.5.53, cont. Johnston, Co. DU., cont.

- Plectiscus* sp. ♀
- Brachon* 18 = *B. communis* ♀, ant. 25. *B. sp.*? ♂, ant. 26 & sp.? ♂, ant. 26.
- B. sp. hirsutipes* or *pendulor*, 7♂♂, ant. 31(3), 32(3), 32(1); ♀, ant. 35.
- B. sp.*? ♂, ant. 29.
- Rogas* *cinereus* ♂: not mtd.
- Apanteles* cf. *pullipes* group 4 (new mtd.)
- Microgaster* cf. *tibialis*? ♀
- Pentastemon* cf. *uilliersi* ♂, ant. 16.
- Euphorus* cf. *fulvipes* 4 (only one mtd. = ♂, ant. 24, but very red at base of ♂ & *microgaster* Thoms. 299, ant. both 18.

Blacus ruficornis 395: not mtd.

Brachistus cf. *fasciatus* ♂, ant. 20.

- Opius fuscus* ♂, ant. 22. *O. stemps* mtd. ♂, ant. 25.
- Pentapleura* *parvula* 20♂♂: not mtd. Also 1♀, ant. 19, with very black legs.
- Alysia* *leptus* 1 ♂, 1 ♀, ant. 34. (ant. 41)
- Pezomachus ruficornis* mtd. ♂, ant. 20. *P. lauda* ♂, ant. 20.

Orthostigma sp. cf. *angusticollis* 5♂♂, ant. 22, 23, 24, 25, 25: 1♂♂, ant. 22, 23, 24, 25 (specimen)
 also 6♀♀ at first count mtd., probably same species as above, ant. all 24 except one 21.

- O.* sp. ♂, ant. 19, smaller & with darker legs than above nine specimens.
- Aspilota* *deca* 14 ♂♂, ant. 18(2), 19(7), 20(5); 5♀♀, ant. 17(1), 18(3), 19(1).
- A. liosoma* S.B.G. 2♀♀, ant. both 21, 20♂, ant. 22, 24. *A. sp.*? ♂, *marginatus* group, ant. 24, slender.
- A. fuscicornis* ♀, ant. 21; also 6♂♂, probably this sp., ant. 20(1), 21(1), 22(3), 23(1).
- A. minutissima*, 2♀♀, ant. both 17, also a slight larger ♀, doubtfully the sp., ant. 17 also, but slender?
- A. minutissima*, small ♀, ant. 15.

23. 2. 53, cont.

Johnstown, DU, cont.

Aspilota *concolor* = *G. (Synaldis) concolor*, 2♀♀, ant. 14 & 15, 1♂ ant. 20? (the species).

G. (S.) temporalis ♂, ant. 22.

G. (S.) fortipes 1♂, ant. 20.

Dacnusa adducta ♂: not mtd. *D. gilvipes* ♀, ant. 29.

D. pectorator 2♂♂, ant. both 29. *D. areolaris* 2

D. tumida ♀, ant. 25.

D. pubescens 6 (♂♂♀). *D. areolaris* 2. *D. maculipes* 10.

Aphidius ♀: 4 mtd. = *Aph. uzbeki* or *areolaris*? 1♂ ant. 31, 2♀♀ ant. 18, 19 & 20.

Ephedrus lacustris 2

Praon 22.

Chalcids 5.

Mymarid 1 =

Gynipid 3.

Bracon 3.

none mtd.

24th May 53 Whit Sunday.

Very warm & sunny. Bird with gonads! Took a *Chalcid*, *Aspilota*, ant. in back garden.

25th May 53. Whit Monday. An equally warm day, but with W. instead of east & very dark & gloomy till about 10 AM. [Thunderstorm over the North, Scotland, extending later to N of England & over Wales, with torrential rain, etc., but none in Dublin.] In afternoon drove to Landerstown, KD, & collected in the usual places, E. of Landerstown H. & took as follows: — 1 = plantations & grassy field E. of road. 2 = S margin of grassland & parallel area between road & road, 1/4 mi. E. of Landerstown back to Home.

Hymenoptera for some reason very scarce!

Landerstown, Co. KD. [Spec. mtd. & then labelled on 25.5.53.]

Take at 1.

Aspilota: *Chalcid* ♂

Praon ♂: 1 mtd. ♀ not mtd. & old, ant. 17 =

Promethes *subgratus* ♂, not mtd. *Stenomacrus* *maculatus* ♂: not mtd.

Stenomacrus *villosus* ♀: not mtd.

Praon *flavolatum* ♀ (not *flavolatum*?) ant. 34.

Chalcid ♂ = *Lathrolepis infernalis*, ant. both 86.

Bracon *crucivagula* Thomson, rather than *immutator* (N) Th. on hind tarsal characters! (larger ♀ ant. 32)

Aspilota *sp. pallipes* ♀ & 2♂♂ = *G. tibialis* ♀ & *G. cf. spinosa* ♂.

Mesochorus *tibialis* ♂

25.5.53, cont. Landerstown, KD, cont.
 Taken at 1, cont. *Euphorbia palustris* not mtd.
Opius lugens ♂, ant. 21. *O. exilis*? ♂, ant. 26.
Alloea on *Trisetum* not mtd. / *Dacnusa evadne* ♀, ant. 30.
A. pilosula sp. 2 ♂♂; none mtd. (probably listed as *bellina* below!)
Dacnusa pubescens 1 ♂, 2 ♀♀, not mtd. } none of these mtd. except *pubescens*.
D. pubescens ♀, ant. 28. *D. bellina* ♀, not mtd.
Proctos 11: only 2 mtd. = *Diapogon* (areolaris?) ♂.
Belyta depressa ♂.

Chalcids 4: 1 mtd. = *Saundersia* *Tenthredo* "tenuis" 2 ♂♂, not mtd.
Cynipid 1: not mtd. 3 black ♀ = *Empria ballia* ♀
Diptera 1 =

Taken at 2. [10 mtd. from 2 & these labelled 21.8.1965.]

Phygadeuon ♂: not mtd. *Microctonus* cf. *tibialis* Htg., ant. 35.
Pezomachus ♀ = *Theridion* sp. ♀, ant. 22.
Exochus ♀, ant. 32 & 30, respectively.
Euphorbia palustris not mtd. ♀. ♂: not mtd.
Aspilota *sericeipes*? A minute ♂, with large expanded head, 17 seg. ant., red legs, 1 & 2, but segs 3 & 4 elongate & 4 if anything longer than 3, 2 & 3 subequal & 2 & 3 divided with very small, & small, with a sort of pendent dimple. 64 ♀ taken at Landerstown on (2) 2.8.53!
Dacnusa pubescens (2), *areolaris* (1) & *sericeipes* (1).
D. pubescens ♀, ant. 30. *D. (G.) sericeipes* ✓ ♂, ant. 27.
Microctonus *caesus* ♂: not mtd.
Proctos 4: 2 mtd. = *Spilostigma confusum*? minute ♀.
Spilostigma *brachyformis* (Sp. 15 sub!) ♂.
Hemiteles *Saundersia* ♀ = *Pachyneurone* *albicollis* ♀.

26th May '53. A warm day, but becoming dull in afternoon & rain later on approach of depression from W. In afternoon drove to St. Columba's College, Galway, & called up to farm of Kilmeelagh. About 200 ft. & back to - (this is along) Saw many bee burrows on bare ground above the college, where sods had been cut near surface of gravel rocks.

27th May '53. After a wet night, very warm, dull, with drizzle all forenoon. In morning, went to see E. S. D. Baynes - British Trade Commissioner, Merrion Square - who gave me a beautiful *Metopius dentatus* bred 22 May 1952 from larva of *Bombus agrorum* var. *calvus* sent him from Valentia Island, E. Kerry, by M. S. - a pair of 1952. When received the caterpillars - and another one - were very large & nearly full grown & pupated in June 1952, although other *calvus* larvae being fed up by Baynes were only about as big as a quarter leg & did not pupate till August, as usual. He also gave me a ♀ *Pimpla brevicornis* recently received from Tony Ireland & sent by D. J. Sullivan.

In afternoon we drove to Manor Kilbride, Co. WI, & the day had cleared when strong W. wind got up about 2 P.M. Everything very wet, still in shelter & so could not sweep in windy places & so called not as large as might have been. Raining & sunburst at southern end -

27th May 1953, cont. Manor Kilbride, Co. WI, cont.
 of the triangular plantation — see sketch map opposite p. 81 of
 Leary, vol. 17, under date of 29th May 1949 — saw
 a Red Admiral Butterfly, which flew away on my
 approach — the first "migrant" I had seen this year!
 Swept where possible, but chiefly under beech trees, along
 W. side of triangle & about the old garage. Lots at
 SW. corner & along road at S. end. [about 45 mtd. + those
 labelled on 16.5.1965
 or earlier.]
 Manor Kilbride, Co. WI.

Red Admiral Butterfly seen!

Scaphis = *Euphranta* not mtd. & *Dineura testaceipes* ♀.
Crabro = *fabricator* ♂, ant. 37. *Phaenogen* = *scutellatus* (= *maculicornis* Steph.)
 Var. *impugnator* in Schmid. ♀, ant. 30.
Epitoma pygmaea ♂, ant. 27.
Cryptinids 15 (mostly on *Hametula*, etc.), none mtd.

Thaumetopoea paradesma (= *bellipar*) ♀, ant. 17. — my second!! "4th Link"
Bombus lucorum 2 ♂♂, ant. 22. *Homocidus flavolineatus*, very small ♀, ant. only 22.
Phyllotreta 2 = *Phyllotreta propinqua*, darker ♂, ant. 28. *P. cf. angustata*? ♂, ant. 28.
Stenomacrus vaticus ♀, ant. 27. *S. ruficornis* ♂, not mtd.

Staphylinus, small ♀, ant. 22.

Phaenogen = *scutellatus* ♂, ant. 18.

Thaumetopoea ♀ = *Thaumetopoea* sp. ♀, ant. 26.

Campoplegid 2 = *Campoplex* sp. ♀, not mtd. 30.

Geometrid sp. ♀, long terebra, ant. 22.

Myiura concolor ♂, ant. 29.

27.5.53, cont. Manor Kilbride, Co. WI, cont.

Pentapleura sp. ♀, ant. 22. *Agrotis* sp. ♂, ant. 22.
Heliothis ♂, not mtd.

Bracon immitator ♀, ant. 28; also a ♂, probably the sp., but legs & wings darker.
Rogas dimidiatus ♀, ant. 28, very fine ex., between road & garage.
A. circumscriptus? ♂, not mtd.

Apanteles cf. *pallipes* ♀. A very minute ♂, cf. *pallipes* (as named by Hal.). Not mtd.
Microplitis cf. *tuberculata* ♂, ant. 27.

Euphorus pallipes ♂, ant. 26. *E. flavipes* ♂, ant. 26. {if ♀ taken on
 18.6.53 &
 p. 110-7
E. fulvipes ♂ (2 ♂♂, ant. 16 & 17; 2 ♀♀, ant. both 16!)

Microplitis testaceipes ♀, ant. 17. *Microplitis* ♂, ant. 27.
Microplitis punctiventris ♀, ant. 27.

Leptocryptus ♂, ant. 26. *Leptocryptus* sp. ♂, not mtd.
Phaenogen = *scutellatus* ♂, ant. 27. *Phaenogen* sp. ♂, not mtd.

Aspilota sp. 7, only 2 mtd. = {*A. (Synaldis) concolor*, a minute ♀, ant. only 13.
A. prona, a minute ♀, ant. 23, but a little larger.
Lacuna gilvipes ♂, ant. 27. *L. gilvipes* ♂, ant. 27.

D. abdita large ♂, ant. 24. *D. senilis* 2 ♂♂, ant. 25 & 27.
D. lateralis 1 ♂, 1 ♀, ant. both 40. *D. mellea* ♂, ant. 24.

Brachymeria sp. ♀, ant. 22. *Brachymeria* sp. ♂, ant. 22.

Proctos 2, 3 mtd. = {*Leptocryptus* cf. *pallipes* ♀. *Pentapleura* sp. ♂.
Pentapleura sp. ♂, ant. 22.
Chalcids 2, not mtd. *Gynipid* sp. ♂, not mtd.

Homopteron 2. *Homopteron* sp. ♂, ant. 22.
Beetle 1 = *Beetle* sp. ♂, ant. 22.

Beetle 1 = *Beetle* sp. ♂, ant. 22.
Beetle 1 = *Beetle* sp. ♂, ant. 22.

28th May 1962. A sunny, hot, sunny day, with gentle
 W. wind after a dull morning. Left home at
 10.30 AM & drove to Woodend - E. of Peterborough -
 where left car & walked up a ridge E. of Lugnagum
 farm where had lunch at about 12.50 pm. After lunch
 went along ridge & up NW face of Corral Hill, 1976 ft.,
 where spent 1/2 hour enjoying view & catching Diptera
 sitting on & around the cairn. Also saw on Red
 Admiral Butterfly flying around summit. Collected
 by sweeping all the way from lunch place to summit,
 this = 1. Came back via the Woodend Brook &
 old road along SW side of Woodend Hill & swept a few
 minutes off Salix arbuscula by the brook at ca. 1000 ft.
 Finally, after cup of tea at car, swept under of wall
 along W. side of deep trough at Woodend, as often
 before: this = 3.

Corral Hill, Co. WI. 1250 to 1976 ft.

Taken at 1. 1.20 till 2.30 PM. [10 mtd. from 1, of which 4 are better, for 12.5.1965.]

Brachymeria ♂

Cryptine 12 - all ♂♂ but one - mainly *Heinitz*, *Phygadeuon*,
 or *Atractodes* - none mtd.

Leucospiza megalanota ♂, 1st inst. 1, swept! ant. broken.

Stenomacrus affinis, 1st inst. ♂, very small; ant. 23

Agrotis sp. pale ♂, not mtd.

Aspilota sp. ♂ = (1st inst. of 2nd ♂, ant. 19, 20: dimpl., semi-ovoid, rugose, prop.) = *viduata* sp. n.
 3 only mtd. → (A. (Smalderi) *radaticornis*? ♂, ant. 23. Type! + 10 Type. AWS. 12.5.1965.)

28.5.53 cont.

Taken at 1. cont. Corral Hill, WI. cont.

Phygadeuon & *Aphidius* spp. ♀: 2 only mtd.
 = *Aphidius* 2 spp. 10 of each, both with very black legs; ant. 13 + 2. 19.

Proctos 4 } none mtd.
Chalcids 6 }

Beetle 4 = *Aphidius fuscicornis*? & *Aph. str.*? on each!

2 others

Diptera 3 *Series myia* ♂♂ 3 ♂♂ - 3 taken at summit at 1976 ft.

Red Admiral Butterfly at summit.

[Took a small ♂ *Heinitz* in garden, Glenville Rd., Harold's Cross, Dublin, on evening, 28.6.53.]

Taken at 2. 4000 ft. off Salix arbuscula. Woodend Brook. [Only 3 mtd. from 2, of which 1 is better, for 12.5.1965.]

Cryptine 3 ♀♀. *Heinitz* sp. 2 ♀♀. *Habrocryptus alternator* ♀, ant. 26.

Phytodietus segmentator ♂, ant. 20, 1st inst., mtd. with ant.

Proctos & *Chalcids* 3

Samplings. *Proctos* of 10, 2 ♀♀.

Taken at 3. Roadside at Woodend, WI. 4.45 - 5.15 PM. [28 mtd. from 3, of which 1 is better, for 12.5.1965.]

Cryptine 2. *Heinitz* & *Phygadeuon* ♂♂, 1st inst. =

Phygadeuon bonellii, ♀, ant. 19.

Stenomacrus affinis "C." ♂, ant. 23; areolet very small!

Pentaneura filicornis small ♂, ant. 41.

2. 2. 2. (ant. 16) *Colophagus*, Wl.

Chalcid *truncatus* ♀.

6

Aspilota

Aspilota cf. *pallipes* 1 *Aspilota* *subpunctata* 3

Euphorus *fulvipes* 1 ♀, ant. 16. *Euphorus* *pallipes* 1 ♂, small, ant. 22, slender? only mtd.

E. flavipes 1 (♀), ant. 21.

Blacus *truncatus* ♂: not mtd.

Opius *levis* ♂, ant. 24.

Allasa *contracta* 2 ♂♂ *Alysia* *leptus* ♂ *A. livida* ♀.

Aspilota 28 = *A. prona* 2 ♀♀, ant. 21 & 23. *A. divisa* ♀, ant. 19. *A. cf. lyra* 2 ♀♀, ant. 18 & 19. *A. cf. furcata* 2 ♂♂, ant. both 24. *A. cf. minor* 1 ♂, ant. 16. *A. cf. furcata* 1 ♂, ant. 22. *A. cf. minor* 2 ♂♂, ant. 21 & 23. *A. viatica* ♀, ant. 20. *A. cf. fumipennis* ♀, ant. 21. *A. tumida* ♀, ant. 22. *A. cf. ruficornis* 2 ♂♂ (ant. both 22), 1 ♀ (ant. 17); small propodeum! *A. sordipes* ♀, ant. 20, with extruded apiculus! *A. cf. v. small*, ♂ (ant. 17), ♀ (ant. 16); rugose propodeum, no dimple or slightly dimple. *A. (Synaldis) cf. filicornis* 2 ♀♀, ant. 16 & 17; possibly two different species?

Orthostigma 2 = *O. costipila*? ♂, ant. 22. *O. maculipes* ♀, large, ant. 19.

Dacnusa *pubescens* ♂♂♂ *D. melanura* & *D. adducta* ♂♂♂.

D. eros ♀, ant. 36.

[no *Aphidius* *thalassius*!]

Proctos. 16. Ent. = *Leptorhaphis* cf. *atropis*? Kieffer, ♀.

Actista *insolita* Nixon? ♂. *Disogmus* *areolator* ♀.

Pantoclis *obscuripes* group? ♂. *Spilomicrus* sp. No. 9: ♀.

Chalcids 5

Tryphon 1

Ichneumon (= *Ichneumon* (= *Telephonus*) *rustica*?

3. 6. 23. (2)

Thames Valley, London

[12 mounted & then labelled on 25. 1. 1965.]

Ichneumon *rustica* ♂

Phygadeuonid? ♂, ant. 22.

Stenopogon *reticulatus* ♀, no doubt off oak!

Polyblastus *propinquus* ♀, not mtd. *Phaenocarpa* *eximialis* Nixon (new description), ant. 17.

Microgaster ♂, ant. 23; very small sp. =

Proctos. ♂, ant. 22. {Same sp. I think as ♀ taken in Tollymore Park, Co. DO, on 25. 1. 1961, which has 22-seg. ant.

Euphorus *fulvipes* 2: none mtd.

Ichneumon *reticulatus* ♀, ant. 22: mtd. as it is.

Opius 2 = *O. calvus* Hal. ♂, ant. 24. *O. levis* ♂, ant. 24. {Post-fertile, abdominal with 12-seg. longitudinal groove.

Aspilota 2 = *A. viatica*, small ♀, with strongly sculptured propodeum & 19-seg. antennae!

& *A. (Synaldis)* *funiculicornis* ♀, ant. 18.

4. June 1953. Fine day, with NW & SE winds, turning SE-E, & dipping in evening. Not so cold as previous days! A few short showers, & no clearing after heavy rain at night. Began with P. L. Coe (of 23. 10.) to No. 1, arriving 11.30 AM. I collected along the side of lake in Biddenden House estate, but by 1 PM. was rather late, as on 10. 8. 1952, when very rich collecting ground between the half-filled up lake - now reed, & the boundary wall on W. side of estate, along bye-road from Naze to Osterdown. Quite a rich flora with many seedlings of birch, ash, & cane & 10 faroak.

4 to 53, cont. Oedstown, near, Co. Kildare
 Taken at 1, before lunch, along most outside estate wall
 & along path inside wall. 12.0 noon till 1.0 P.M. [33 mtd + then labelled 16/4/1965]
Stenobothrus sp. not mtd. *Phygadeuon* callipus W. ♀, ant. 24.
Cryptinid ♀ (1000, 242): including *Pezomachus* *pusilla* ♀ not mtd
Phygadeuon? ♀, ant. 20: only mtd.

Pimpla brevicornis ♀: not mtd. *Homocidus* *punctator*: not mtd.

Stenobothrus intermedius 4 ♂♂, ant. 30, 31, 31, & 32.

Mesochorus ♀: not mtd. *Helictes* *pilicornis* (? ♂), ant. 29.

Camptoplegid ♀ = *Meloboris* (*Disodoma*) *crassicornis* ♀, ant. 24.

Stenomacrus *scutellator* ♀, var. *minuta* long. etc., ant. 23+ (1st mtd. ♂)

Colastes *tricornis*, 1st ♂ not mtd. *Apanteles* *palloides* ♀ & *A. impurus*? ♀

Mesochorus cf. *cultus* M. ♂, ant. 22: with dark example!

Mesochorus *punctator* ♂, ant. 23.

Blacus *nigricornis* m. ♂, ant. 18. *Schnecker* *reunitor*, large ♀, ant. 34, legs entirely pale!

Opius *caesus* ♀ (1.19.53) & *O. pendulus* ♂.

O. nigro-pygmaeus m. ♀, ant. 24; paler than type, possibly *thorax*: see pp. 103 & 97. to follow

Pentapleura *pumilio* small ♀. *Lophocentrus* *tennicornis* ♀, ant. 24.

Orthocentrus sp.? ♂ & ♀, ant. 18 & 23, but both seem to be same species!

Aspilota = 200, 342 = *A. f. n.*? of *pumilio* complex (narrower hindleg, terebra much less abd., legs very slender & pale, gaster brown, very short & not apiculate, *ANS* 18 & 65.

A. cf. variegata ♀, ant. 18. *A. fuscicornis*? ♂, ant. 23. *A. fuscicornis*, small ♂, ant. 17.

A. (Synaldis) *levis*? minute ♀, ant. 15.

4-6 53, cont Oedstown, KD. cont.

Dacnusa pubescens 100, 14: not mtd. *D. aphanta* ♂ not mtd.

D. areolaris 200, 24 ♀ ant. 23-23 ♂ ant. 20-21 ♀ } *D. areolaris* (♂?) ant. 27. *D. areolaris* (♂?) ant. 27. *D. areolaris* (♂?) ant. 27.

Coelinius ♂ *niger* ♀ with *opacum* suture transcribed (in right wing) + ant. 40

Stenomacrus *scutellator* ♂ & ♀: none mtd. *Stenomacrus* *scutellator* ♂, not mtd.

Triclistus *angelicus* Hal. ♀; ant. 11.

Aphidius 7: none mtd.

Proctos 3 { 1 mtd. = *Hemiteles* " } *Helictes* 2: not mtd.

Cryptinid 2: not mtd. *Leptocryptus* = *L. variabilis*?

Saigley 1 =

Taken at 2 All between estate wall & lake side on off road. 1.0, falling the old lake. 2.0 - 4.20 P.M.

Cryptinid, 13 (mostly *Leptocryptus* & *Hemiteles*) only 2 mtd. =

Pezomachus red & black ♀, ant. 15: "long 3, red feet, red abd., 4th wing" = *Pezomachus*.

Phygadeuon sp. ♀, ca. 3 mm, 1st abd. seg. 18; wings smoky, terebra & head.

Phytodietus *complanatus*? ♀, both entirely - almost unmarked! Ant. 37. *Phytodietus* *arcuatus* ♂? ant. 28.

Polyblastus *varicornis* 100, 14 (carrying larvae!) ant. both 14.0.

Triclistus? 1: not mtd. *Leptocryptus* sp. ♂, not mtd.

Proctos *punctator* ♂ & ♀, 2 mtd. *Proctos* *punctator* ♂, not mtd.

Stenomacrus *scutellator* 1: not mtd. *Stenomacrus* *scutellator* ♂, not mtd.

Camptoplegid 3: none mtd. *Therion* ♂: not mtd.

Helictes ♂, mtd. *Helictes* *pilicornis* ♂, ant. 17: terebra entirely yellow.

Stenomacrus *scutellator*, 15 mtd. *St. scutellator* ♀, ant. 20.

June 23. Gleditsia, near, KD, cont.

June 23, cont.

Bracon fuscicornis ♂, not mtd. = *B. nivalis* ♀, ant. 37.
B. excrucians Thoms. ♀, ant. 23 & 24, not mtd. *B. tuberosus* Wasm. ♀, ant. 27. (also a possible ♂, ant. 26, but very small)
B. rugipennis (Linn.) ♀, ant. 29 (also a possible ♂, ant. 28). ♀, also a larger ♀, ant. 31, ? this species.
B. cf. ♂ of pictipes with 2 flaps on pin. Thoms. ♂, ant. 27.

Cotesia brevis 3 ♂♂, 1 ♀, not mtd. *Phygadeuon* ♂, not mtd.

Rogas circumflexus ♂, ant. 41.

Apanteles ♂ = *A. cf. dilator*, 2 ♀♀. *A. frater* ♀.

A. emarginatus ? 2 ♀♀.

Euphorus pubescens ♂ = *E. facialis* Thoms. (♀?), ant. 19.

Pesilus ♂, ant. 18, legs & body very black. (smaller, black, not mtd. with wings, narrow, ant. black, ♂, ant. 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)

Microgaster ♂, ant. 31.

Opius rufipennis ♂ & 16 others = *O. funebris* {5 ♂♂, ant. 21(3), 22 & 23, }
5 ♀♀, ant. 18, 19, 20 & 21(2). }

O. nigro-pygmaeus ♂, ant. 25 - see note on Type on p. 103. *O. exilis* ♂, ant. 23 (var. with intermediate antennae!)

O. cf. quercetorum ♂, ant. 27. *O. cf. foveolatus* ♂, ant. 28 (this female not a distinct new type; antennae very small & deep, but dark, small & black, curved, ant. in length of male, but of - strongly - short - mtd.)

O. pallipes H. 2 ♀♀, ant. both 30.

Pentapleura argentea ♂, not mtd. *Alloea contracta* ♀, not mtd.

Phaenocarpa rufipes ♂, not mtd. *Ph. praevarius* ♂, not mtd. *Ph. livida* 2 ♀♀

Alysia = {*A. leucipennis* sp. n. Type ♀, ant. 25 }
{*A. cf. 12. 6. 1965* sp. n. Type ♀, ant. 25 }
A. rufipes ♂, ant. 15 & 14

Gasterocercus cf. *parvulus* near? ♀, ant. 19. *Aspilota gracilis* ♂, ant. 24 (concolorata, not mtd.)

Aspilota ♂, ant. 19. = *A. praeconcolor* {1 ♂, ant. 24, meso propodeum! }
{1 ♀, ant. 20, small, typical propodeum! }

A. maculipes 2 ♀♀, ant. 17 & 17. *A. invidiosa* Mord. 1 ♀, ant. 15, also a larger ♀, ant. 16.

A. cf. fuscicornis or *nigricornis*, 5 ♂♂, ant. 21(2), 22(2) & 23, 1 ♀, ant. 18. *A. cf. fuscicornis* ?? a dark ♀ possibly this sp., ant. 17.

A. atra, a small ♀, ant. 23. *A. conspurcator* ♀, ant. 17.

June 23 (N) 75
A.W.S.
1965

June 23 (2) cont. Gleditsia, near, KD, cont.

Aspilota fuscicornis ♂, ant. 18. *A. fuscicornis* ♂, ant. 18, not mtd. *A. fuscicornis* 2 ♀♀, ant. 19 & 22. }
A. (S.) concolor 3 ♀♀, ant. 14, 14 & 15. *A. (S.) cf. temporalis* ♂, ant. 19.

Dacnusa latialis 2 ♂♂, ant. 40 & 41. *D. eros* ♀, ant. 37. *D. parides* Mord. ♀, small, ant. 23.

Dacnusa gilvipes 1 ♂, 1 ♀, not mtd. *D. telare* ♀, ant. 31. *D. pubescens* ♂, not mtd.

D. postica (gracilis) ♀, ant. 30. *D. persimilis* ♀, ant. 25, also a ♂, ant. 27. (smaller, oval (th) guffth.)

Coelinius rufipes n. ♂, ant. 41. *Praon* ♂, not mtd.

Toxares dalliger ♀, ant. 20. *Ephedrus plagiator* ♂, not mtd.

Aphidius fuscimaculatus ♀: for description of Type ♀ of this n. sp. see p. 103 to follow! →

A. nea artica var. ♂, ant. 18 & 19.

A. cf. 2 none mtd.

Praon 2 ♂♂, 7 mtd. = *Spilacis* (type ♂, ant. 18). *Praon* ♂, ant. 18.

Praon ♂, ant. 18. *Phaenocarpa rufipes* 2 ♀♀.

Phaenocarpa rufipes ♂, ant. 18. *Phaenocarpa rufipes* ♂, ant. 18.

Chalcid 11 + 4 by number: 5 mtd. including the 4 by number.

=

Gynepid 7, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

Beetle 15, not mtd.

7th June 1953, cont. In afternoon drove to Rye Water, Lincoln, Co. KD, to get some *Lepidoptera* for Mr. Corbett, & then to Bray Lough on Royal Canal. We left car at 3.30 PM. Collected back to Mr. Mitchell's place where we swept for an hour or so. About perfect conditions but *Hymenoptera* almost absent & few insects produced any at all & only one or two. Very hot sun, with cool & breeze. Left there at 4.30!

Royal Canal, Co. KD.

[14 mounted & those labelled on 2.4.1965]

Swept in Mr. Mitchell's plantation (*Calluna* & *Heather*) at 4.15 & 4.45 taken on this path. *Tenthredinidae* 1 ♂, not mtd. *Phoridae* 1 ♂, not mtd.

Leucophaea "fulvipes" ♂, not mtd. *Phoridae* ♂, not mtd.

Phaenocarpa "variegata" ♂, not mtd. *Hemiteles* *fulvipes* ♀, ant. 21.

Exochus *separandus* Schenck, on tree-fall! Ant. 24.

Theridion ♂, not mtd.

Rhyssalus *clavatus* ♀, small, ant. 24. *Pemphigus* ♂

Blacus *ruficornis* ♀, not mtd.

Opius 3 = *O. calvus*, large ♀, ant. 28. *O. xanthogaster* ♀, ant. 33.

O. platynotum ♂, ant. 26.

Phaenocarpa *reflexa* ♂, not mtd. *Callus* *constrictus* ♂, not mtd.

Aspilota 2 ♂♂, not mtd. *Dacnusa* *aphanta* ♂, ant. 21; not mtd.

Coelinius *niger* 3 ♂♂, ant. 39, 39 & 41. *Aphidius* ♂, not mtd.

Praon 4 = *Praon* *carduorum* ♂? *Zygota* *fusca* ♀.
- *Spilomicrus* ♂ of Sp. 11.
- *Diapria* Sp. No. 1 ♀

Tenthredinidae = *Leucophaea* ♂, *fulvipes*?

8th June 1953. Another perfect day after a dull night & early morning. At 2 PM. saw a ♀ *Bombus* *terrestris* on flower of *Campanula* in back garden, also a ♂ *Andrena* on path.

9th June 53. A very warm day, with moderate SW wind, much sun in forenoon, more clouds in late afternoon. A small depression approaches for 11.

Returned to Ockington Ho. at 1.15, drove to KD. with R. & L. & collected between road & old reed-filled lake as on 4th June. Filled two mesh - one before & one after lunch.

Ockington Ho., near, KD.

1st Sweeper: 11.20 AM till 1.0 PM. [Trials from 1 & 2 mtd labelled 29.8.1965]

Phaenocarpa "variegata" ♂, not mtd. *Phaenocarpa* *reflexa* ♂

Exochus ♂ = *Exochus* *fulvipes* ♂

Phaenocarpa 7. *Phaenocarpa* ♂, *Phaenocarpa* *reflexa* ♂, only 1 mtd. = *Phaenocarpa* ♂, not mtd.

Meniscus *calentus* ♂, ant. 45. *Microdactyla* *degener* ♂, ant. 20.

Perilissus 3 = *P. orbitalis* ♂, ant. 39.

& *P. fulvipes* 2 ♂♂, ant. 43 & 44, the latter with almost black abdomen.

Polyblastus *mitis* ♂, carrying larvae, ant. 41.

Microgaster *incider* Th. ♂, ant. 32.

Hemiteles *fulvipes* ♂, not mtd.

Stenomacrus *affinis* C. ♀, ant. 24.

Triplaris 11; new id.

Bombus 107.2.2.2 = 3 {*macrodactylus* ♀, ad. 23.
? - *dactylus* of *curvatus*?

B. cf. epi. var. 2 { 9. and .25. (= above var. 1) above var. 1
also parallel and on complex H2B. in study.
but less pale, and .27. (4/16/1968)

Stelanus longipennis ♂, ant. 19. Also a ♀, ant. 17.

a. (0.) daemon S. x 9 ♀, ant. 18. a. tumida ♂, ant. 21.

Tricorynus certificatus ♀, ant. 11, small example!

Trachistoma pelagicum, (S.), aut. : 27

11.6.53 (3). cont. The Broom Field, W.I., cont.

Cryptine 4; but only 1 mtd. = *Pezomachus anthracinus* ♀, ant. 21.

Pimpla melanopyga ♂♂ & ♀♀ common in wood, as usual
Ant. of ♂♂ 25(2), 26(3); of ♀♀ 24(2), 25(1), 26(2) & 27(1).
& of various sizes & redness of abdomen. 2 ♂♂, 6 ♀♀ taken; all mtd.

Adeluraetha decurva ♂, ant. 14.

Campoplegid 1; not mtd.

Bracon 4 = *B. osculator*, ant. 25 (var. 2 also mtd.). *B. fulvipes*, ♂, ant. 38.

B. testaceus m. ♀, var. with tergite 4-8 darkened, almost black; ant. 27.

B. cf. rugipunctatus ♂, ant. 28; a minute example with very dark legs.

Apanteles sp? ♂, with narrow, truncated, tergite 1, & dark legs.

Apanteles exilis ♂, ant. 27.

Aspilota (*Synaldis*) *parvulus* m?; a minute ♂, ant. broken, large quadrat head, not widened behind!

Exochus ♂, ant. 19, pale legs: {I think both this species though radial cell very long} ~~*Exochus*~~ ant. both 21.

Exochus cf. *viridis* ♂, ant. 14.

Proctos 1 *Phaenocarpa* 2

Diptera *Pipunculid* for *P. l. l.* ♂ =

Hemiptera *Coreid* =

Blattell =

Taken at 3. Lane & Co. station 3.0 till 4.30 P.M.

Cryptine 4; only one mtd. = *Leptocryptus* cf. *alle* Krombein: ♀, ant. 27.

11.6.53 (3). cont. Killybegs, W.I., cont. Lane & Co.

Pimpla cf. *melanopyga* ♂. ant. 25; very elegant & dark example?

Campoplegid 3; only 1 mtd. = *Camptocryptus*? ♂, ant. 19; {for my opinion spiracles of tergite 2 are behind the middle & will therefore run in Schmid. to *Schmidti*! AWS

Bracon 3 = *B. osculator* Tron.? ♀, ant. 35; ♂, ant. 38.

B. undulatus m. ♀, ant. 29.

Apanteles 1; not mtd.

Exochus *fulvipes* group ♂: not mtd.

Centistes *lucicola* 2 ♂♂: not mtd.

Trichogramma *collaris* ♀, ant. 30.

Spilidius *parvulus* ♂ & ♂ =

Trachyusa *aurata* ♂, ant. 29.

Aspilota 3 = *A. parva* ♀, ant. 20. } *A. cf. parva* 2 very small ♀, ant. 16. }
} these are both some *parva* type, ant. 21, }
} which may be the species }

Exochus *viridis* 3 ♂♂ =

= *D. humeralis* m. ♂, ant. 36; cf. 2 example taken here on (2) 15.8.1951.

D. (G.) *viridis* ♂, ant. 14.

Exochus *fulvipes* ♂, ant. 14.

Aspilota 2 =

Exochus 1 =

Proctos = *Phaenocarpa* *lucicola*?

13th June 53. Lane & Co. station 3.0 till 4.30 P.M.
nothing taken & collected at 3.0 till 4.30 P.M. but a few taken at 4.30 P.M.
different to the group taken at 3.0 till 4.30 P.M. but not collected. But took
2 *Aspilota* *viridis* (ant. 16) & 1 ♂ (ant. 16) = *A. cf. parva* Tron.? ♂, ant. 16
not mtd. & some more *Exochus* *viridis* (ant. 16) at 4.30 P.M.



Fide J.S.T.

Pohlia albicans (Wahlb.)
var. glacialis (Schleich.)
N. side of Bering - on - Cackan.
3.7.1953.

14th & 15th June 1953. Ball, daisy, & cold. Also 16th.
 17th June. A nice day with some sun. In forenoon
 saw 2 ♀♀ of *Phaenocarpa* in J.P. Brunker's
 garden, Grosvenor Place, Ballinacorney. I then
 flower of a Labiate shrub (*Tanacetum* sp.)
 In afternoon drove to Tanderu & walked up to
 Cupidstone Hill, Co. WI & RD. Did not collect.
 18th June. A very nice day with some sun
 & much rain. In forenoon drove to Manor
 Kiltinure, Co. WI. & collected by sweeping in the triangle
 between the three roads - a most successful place, along
 the road on E. side of triangle, but without getting, take
 in the quarry.

Manor Kiltinure, Co. WI. 3-26 - 5-24 PM

Anteon ♂ ♂ ♀. white legs
Cryptus 1 ♂ 1 ♀ - *Myadon*, *Heath*, *Pygmaea*
 & *Calpa* (100) only 1 mtd = *Pezomachus* cf. *pallidus*? small wingless ♂ ant.
Triclistus ♂, reddish ventral
Cataglyphis *petipus* 1 ♂ 1 ♀ *Stylodactylus* red abd, black femora
Promethes *pulchellus* ♂ red abd. *Mesochorus* *lunulatus* ♂, ant. 32.
Triclistus ♀: runs to *pallidus*, but? Ant. 23.
Stenomacrus ♀.
Pezomachus 1 ♂ 2 ♂♂ *Apanteles* sp. ♀

18. 6. 53. cont. Manor Kiltinure, WI, cont.

Stenomacrus *epithymus*, var. 1 m ♀; ant. only, 27.
Euclyptus *in* 3 ♀♀: ant. 33, 37, 37.
Apanteles cf. *trigularis* ♂, *phobus* ♂ (10-9)
Acrotaphus *submarginatus* ♂, *submarginatus* ♂, ant. 27.
Euclyptus *pubescens* 2 ♂♂ (10-9) & 2 small ♂♂ (10-9)
E. flavicornis m. ♀, *Anteon* *typicus* ♂, ant. 22. { ant. or taken here on 27.5.53 p. 86 antea.
Opomyza *virgata* ♂, & sp. *strophus* 2, & 3 others
 = *O. exilis* ♀, ant. 20. *O. xanthogaster* m. ♂, ant. 24.
O. funebris ♂, small ♀, ant. 20; not quite so distinct at shoulders, but short!
Chrysis *topicalis*, var. ♀, ant. 35, hind tibiae dark at apex. } *Pentapleura* *signata* ♂
Andrena *sylvis*, large ♀, ant. 22 & *Andrena* *pinorum* 2 ♂♂.
Aspilota spp. 25: only 6 mtd. = *A. fulvipes*? or *pinnicornis*, ♀, ant. 18, *pinnicornis* partly mtd! A.N.S.
A. divisa S. & G. ♀, ant. 21. *A. cf. pubescens* var. *reticulata*? ♀, ant. 22.
A. prona ♀, ant. 21. *O. xanthogaster* m. ♂, ant. 24.
Orthostigma *maniplex* ♀, ant. 18; also a ♂ mtd, but with some *orthostigma* markings, as in mtd ♂ of *maniplex*, ant. 18.
Dacnusa *pubescens*, 1 female ♀. *D. adducta* 1
D. pilipes 1 ♀ *D. dimidiata* 1 ♀, & 2 in other
D. areolaris 2 ♀♀, ant. only 27 & 28. *D. una*, ♀, small, ant. only 22.
D. areolaris? ♂, ant. 32. *D. aphanta* ♀, ant. 25: pale femora! abnormal tergites 2 & 3.
D. striatula ♀, ant. 26.
Monochorus *caesus* 1 ♀. *Aphidius* spp. 6 mtd.
Cynipids 4.
Chalcids 5.

18.6.53, cont. Insects Killbuck, W.I., cont.

Praon 21 - 7nd, etc. = *Paroxylabi. seminifera* ♂?

Pantoclis? 2♀♀, but perhaps 2 species! *Disogmus* ♂?

Peromyscus sp. 3, ♀ = *brachypluma* Th. with wings larger than usual!

Ameletus sp. No. 2, ♀

Beetle, *Syllis* or *maculata*, with bits out of elytra but not injured.

Memphidius 11.

Pseud 1 with strongly maculated wings =

19th June 53. A very nice day - especially in the afternoon when we drove to Ballyvaughan, Bridge over Grand Canal, Co. DU., & walked up the canal to Gollinstown Bridge & Pond. Insects round the pond SW of the bridge were few but very few *Hymenoptera* except at the end of the canal pond - i.e. SE of the wire fence. I saw *Bombus* with us, where last winter died on the wing. Stopped on return journey to show *Bombus* the *Osca* dried in old quarry N. of Slindalhin & opposite St. Joseph's monastery. Here saw nearly a dozen flower spikes of it & also saw it on both sides of the canal above & on NW side below Gollinstown Bridge. [17 mtd & these labelled 8.3.1965]

19.6.53, cont. Gollinstown, Co. DU., cont.

Euphranta ♀ including *Antisthenes quadripunctatus*, *Memphidius*, *Phygadeuon*, *Exochus* & *Stenobothrus* only, 1 mounted =

Pezomachus gonatopinus? *Exochus* ♂, ant. 24. } none of the other *Exochi* mounted!

Stenobothrus curvicaudatus ♀, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂

Memphidius ♀ ♂?

Bracon fulvipes ♂ & ♂? = *B. cf. undulatus* m. ♀, ant. 29.

B. hispidus m. ♀, ant. 28 & ♂, ant. 34

B. cf. foveola Thom. ?? ♂, ant. 32. Only ♀ described by Thomson, p. 1819.

Montus ♀

Euphranta ♂, ant. 24.

Exochus ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Exochus ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Exochus ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Phygadeuon ♂, ant. 24. *Stenobothrus* ♂, ant. 24.

Thomomys flavoguttatus sp

Euphyas rubro-fulva new, ant. 26.

Trophon nigratus St.

Polyblastus *pastorali*? : ♀, ant. 29.

Phaenocarpa sp. = *Eutestyna oligomera* ♂, ant. 18.

= B. undulatus, m. ♀, ant. 28+ (broken!)

13 fronds: $\frac{9}{1}$, ant. 26; $\frac{27}{1}$, ant. 32.

B. fulvipes 1 very small or only ant. only 21.

Thysanotus monilatus 13 ♂♂, ♀: 107, ant. 26; ♀: ant. 19; only mtd.

"Monsieur Bonfillon"

27.6.53, cont. Road W. of Newbridge, KD. cont.

Gracilaria pectinata 2. *X. varipes* 3 ♂♂ & 1 ♀*D. (R.) coracina* m. ♀ (Paratype!); ant.*D. lugubris* ? 3 (? sex: possibly all ♂♂); ant 33, 36 & 37.*D. sp.* ? ♀, ant. 20: thorax shining & glaucous, tergite 1 almost hairless.in box near
curtains!*Chrysomelids* very common. *Chrysomelids* 2 ♀♀.*Coelocnemis* n. of *Sligo* 2 ♂♂ ♀, ant. 30 & 32, ♀ bitten off short.*Taraxacum parvicornis* m. ♀, ant 11. *Aphidius* sp. ♂*Proctos* 13, only 1 mtd. = *Acropiasta infimutis* ♀

Chalcids 13 (mtd. 2 & 1 ♀).

Cynipids 2

Eulophids 1 *Stratioides* =

Beetles 1

25th June 1953. Left Dublin & great luck by 5.30 AM.

Train for Belfast & arrived at Glasgow, where
ship booked at 7.00 AM. on 26th. We caught8.0 AM train to Killybegs, & arrived & arrived at
latter place about 10.30 AM. Very hot & humid.Went immediately to the row of lime trees E. of
the wooden bridge across R. Lough Erne road leading
E. Killybegs & started collecting & had lunch
at 12 noon by which time three thunder storms
had appeared & we had to retreat to station.

SCOTTISH TRIP 1953.

25th June 1953. Collected in two areas. Killybegs, Killybegs

1 Killybegs (mostly under stones, not far from)

2 follows - 1 = under lime trees E. of R. Lough

2 = a round pond on flat 5 of

roadway to pier. 1/4 mile E. of station.

Taken at 1. (Under lime trees) 11.30 till 12 noon.

Chrysomelids very common & humid. E. breeze.*Chrysomelids* [2 mtd. from 1 & then labelled 26-6-1953.]*Chrysomelids* ♀, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.*Chrysomelids* ♂, ant. 20 = *Chrysomelids* ♂, ant. 18.

Sunday

25th June 1952. A very hot day, after a misty night & early morning. All sunny. In forenoon swept for an hour, 11.30 - 12.30, hour, in place of hillside of the Lannon Burn below the road at Lannon.

Glen Lannon, M.P. (1) ^(39 mtd. & 10 mtd. killed 6.9.1952)

Centistes sp. *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

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Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Large ♀, ant. 23 - pallipes?

♂ ant. 24 - pallipes?

small ♀, head ornamented & mesopleura too small for pallipes - ♀ ant. 22.

(1)

25.6.52, cont. Lannon, M.P., cont.

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

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Centistes *Centistes* *Centistes* *Centistes*

Centistes *Centistes* *Centistes* *Centistes*

28.6.53 cont. In afternoon 5.0 till 6.30 P.M. swept
the glen at Lanes & covered almost exactly
the same ground as in forenoon, but also included
margin of very weedy bog field E. of the wood.

Glen at Lanes M.R. afternoon
[This adds to those labelled 28.6.53] [D.R. was also a bit later, but
[not before the latter of those the first 400]
Ichneumonid 3 =
Phaenocarpa 2 or 3? Not all.
Cryptine 11, 12 etc. = Parnassia sp. very small
Hemiteles sp. 2, not 3, very long terebra?

Bombus agrorum or B. lucorum? ant 24.
Stenobothrus 5 - none etc.
Mordellidae sp. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Cynipids? 4, from grass? ant 20.
Orthocentrus of p. 11, ant 38.
Mecynotarsus sp. ant 22.
M. sp. 2, ant 40.

Sp. of p. 3, common 7 with long antennae & bulbous
- Allomacrus pimplaeus 2, ant 21.
Baccharodius sp. 2, ant 21.

28.6.53 (2) cont. Lanes, M.R. cont.
"Hemiteles" the pimplaeus etc. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Ichneumonid 3 =
Bombus agrorum 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Euphorus of p. 11, ant 24.
Parnassia sp. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Bombus agrorum 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Cynipids? 4, from grass? ant 20.
Orthocentrus of p. 11, ant 38.
Mecynotarsus sp. ant 22.
M. sp. 2, ant 40.
Sp. of p. 3, common 7 with long antennae & bulbous
- Allomacrus pimplaeus 2, ant 21.
Baccharodius sp. 2, ant 21.
Cynipids? 4, from grass? ant 20.
Orthocentrus of p. 11, ant 38.
Mecynotarsus sp. ant 22.
M. sp. 2, ant 40.
Sp. of p. 3, common 7 with long antennae & bulbous
- Allomacrus pimplaeus 2, ant 21.
Baccharodius sp. 2, ant 21.

23. 6. 53, cont. Remond cont.

Swept for a minute under bushes at Remond station & took one *Lib* & one Braconid only. - *Chorebus* ^{not 7.}
 & a *Phaenocarpa* ^{not 7.}
 & swept quite a bit among the moss toward the lake - mostly amongst *Bry* *Mytil* - but the only thing of interest taken was a *Phaenocarpa*? (see p. 185)
 a stone-fly & a small jumping beetle. & took a lot of *Chorebus* ^{not 7.}
 & took one *Phaenocarpa* ^{not 7.} taken on railway under bridge & moss
 = *T. latreillei* (not *Bracon*)? Taken fly = *Chorebus*
 Large *Phaenocarpa* very common on Remond moss.
Chorebus ^{not 7.} taken on Remond moss.

1st July 1953 Equally hot & sunny after a wet night
 Johnson. Went with Marcus Graham (9.35 bus to
 Killin, but in haste forgot and so had to return
 to house for it & only reached Killin again at
 10.40. now, but in meeting spent an hour in the glen
 at Larnach (= 1). At Remond at Killin went down the
 road to old pier, found M.G. & had lunch under trees
 S. of road crossing & later swept around the pool (= 2)
 & later still swept under the timber just E. of the
 wooden bridge over R. Lochay (= 3) where M.G. had
 swept before noon.

[32 mounted letters labelled Sept. 1953]

1.7.53, cont. Glen Larnach road at Larnach, 197 F.

Insects taken at 1. ^{10.30}
 11.40 AM, *Phaenocarpa* *capitata* or
Phaenocarpa? not mtd.
Cryptine 18, none mtd.

Chorebus 2, not mtd.

Chorebus 2, one mtd. = *Chorebus* ^{not 7.} of 19.53

Phaenocarpa 1, not mtd.

Phaenocarpa 2 = *Phaenocarpa* ^{not 7.} 7 (19.53) ^{not 7.}
 19.53, 30, 30, 30, 30, 30, 30, 30

Homocidus pectoratorius 1, not mtd.

Orthocentrus portalis? 1, not mtd. *Chorebus* *curvicauda* ^{not 7.}

Chorebus 1, not mtd.

Chorebus 1, not mtd. *Chorebus* *curvicauda* 1, not mtd.

Chorebus *tuberculatus* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

Chorebus *capitata* 1, not mtd. *Chorebus* *capitata* 1, not mtd.

1.7.53. cont. Killybegs, N.P. (under pine trees)

Taken at 3. 2.20 - 2.30 P.M.

Cryptine 6, including a *Proclitus* sp. & *Phygadeuon*
 & this only mounted = *Phygadeuon* cf. *provincialis* sp. ant. 19

Microlepidoptera = *Microlepidoptera* cf. *neptunia* Holmgr. ♂ ant. 37

Stenomacrus (*remotus*) cf. *pusillus* Holmgr. ♀, ant. 19

Microlepidoptera sp. small sp. ♂, ant. 19

Exochus ♂, large = *Exochus politus* mid. ♀, ant. 36

Apanteles fulvipes group 1, not mtd

Stenobothrus lucidator 1 ♂, 1 ♀, not mtd

Chryseida cf. *abnormis*. ♂, ant. 36

Opius cf. *concoloratus* Th. 2 ♂♂, ant. 40 & 41. *O. cf. nigrescens* n. sp. ant. 37

O. cf. n. nigrescens Holmgr., but tergite 2 with 2 small, acute teeth, ant. 37, stigma not elongate

Adelius nigrus ♀, ant. 35

A. politus *diversus* Sz. ♀, ant. 16. *A. efreni* Sz. Th. ♀, ant. 22

A. cf. ruficornis = 2 ♂♂, ant. 21 (but legs rather pale slender; *Proclitus* sp. ?)

A. carinatus ♂, ant. 24, cf. ♂ from Larne, 12/20.6.53. *A. (Synaldis)* cf. ♂ ant. 22

Phaenocarpa politus ♀, ant. 43. *P. cf. politus* 1

Proctos ♀, none mtd.

Chalcids 3, none mtd.

1.7.53. cont. Larne, N.P., evening = 1.7.53 (4).

In hotel in evening took *Proclitus* sp. & *Phygadeuon* sp. & *Phygadeuon* sp. of the *Phygadeuon* group on 10 June in evening, none

2nd July 1953 Another hot sunny day after a mild morning, but not quite so hot, except in shade, as a fresh breeze blew all day, 1/5 m.p.h.

Took (Dunne & I) 10.30 A.M. bus to Bannock Bridge & walked to Tynmull Castle ruins on left bank of R. Tyn Tully. Kennure, Mid. Rath. Collected in three numbers

as follows: - 1 = number from *Proclitus* sp. under rocks & along the bank some parallel to R. R. Tyn Tully, also *Proclitus*, *Exochus*, & small *Epilochus* (Horn Day). 11.30 till 1.0 P.M.

2 = some ground - some *Proclitus* 2.0 till 4.0 P.M.

3 = marsh, ground below high strip bank of river, all collected Kennure

Leaving R. Tyn 4.0 till 4.15 P.M.

Had dinner, Grange & home. Sweeney in back wood at 1 P.M. for lunch & returned with the R. Tyn Tully 5.15 bus for Stranfieldy back to hotel at Larne.

2.7.53, cont. Kinnaird, M.P., cont.
 Taken at 2. 188 mtd from 2 & then labelled 28.10.53
Spiloneura longicauda ♀, mtd.
Empididae 2: 1♀ only, mtd.
Cryptine 17 none

Homocidus *sternator* ♂ mtd. *Homocidus* *rotator* ♂, ant. 27.
Stenomacrus *lanceus* Hal ♀, ant. 27. St. of *minutus* ♂, ant. 19.
Monoblastus of *chrysoporus*? ♂, pinned.
M. erythropeplus? 2♀♀, ant. 31 & 22.
Euclyptus of *discolor* ♀, very small, ant. 17.
Metaclyptus *concoloratus* mtd. 2♀♀ (from same mtd. senty).
Platygaster sp. 1♀, ant. 21.
Microgaster sp. ♂, pinned.
Camptopoda 2: not mtd.
Brachymeria *pubescens* ♀, ant. 21. *B. setosa* ♀, ant. 31.
B. cf. pubescens? ♂, very dark, from same lot as above, ant. 25.
Agathis *exilis* Marshall ♂♂ (ant. broken), 2♀♀ (ant. 30 & 29, the latter) (ant. 20 & 21, 22 & 23, 24 & 25, 26 & 27, 28 & 29, 30 & 31, 32 & 33, 34 & 35, 36 & 37, 38 & 39, 40 & 41, 42 & 43, 44 & 45, 46 & 47, 48 & 49, 50 & 51, 52 & 53, 54 & 55, 56 & 57, 58 & 59, 60 & 61, 62 & 63, 64 & 65, 66 & 67, 68 & 69, 70 & 71, 72 & 73, 74 & 75, 76 & 77, 78 & 79, 80 & 81, 82 & 83, 84 & 85, 86 & 87, 88 & 89, 90 & 91, 92 & 93, 94 & 95, 96 & 97, 98 & 99, 100 & 101, 102 & 103, 104 & 105, 106 & 107, 108 & 109, 110 & 111, 112 & 113, 114 & 115, 116 & 117, 118 & 119, 120 & 121, 122 & 123, 124 & 125, 126 & 127, 128 & 129, 130 & 131, 132 & 133, 134 & 135, 136 & 137, 138 & 139, 140 & 141, 142 & 143, 144 & 145, 146 & 147, 148 & 149, 150 & 151, 152 & 153, 154 & 155, 156 & 157, 158 & 159, 160 & 161, 162 & 163, 164 & 165, 166 & 167, 168 & 169, 170 & 171, 172 & 173, 174 & 175, 176 & 177, 178 & 179, 180 & 181, 182 & 183, 184 & 185, 186 & 187, 188 & 189, 190 & 191, 192 & 193, 194 & 195, 196 & 197, 198 & 199, 200 & 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3-7-53 cont. Ben Chassey & I went to Ben Chassey, cont.
 to reach the N. end of the gap we crossed an area of Buck
 taken on N. side of Ben Chassey & came to a steep cliff
 immediately below & N. of the summit with a steep, normally,
 steeply sloping to W. of it on which *Juniperus* *horizontalis* &
Euphrasia were abundant. On the cliff I saw found one
 plant of *Woodruffia alpina* & there was much *Sax. nivalis*
 & many other rare plants. Amongst the rocks on the grassy
 slope *Linum catharticum* was abundant & with a very
 robust, fleshy leaved form of *C. vulgaris*.
Sax. aizoides on wet slope about to summit of
 Ben Chassey. Left summit of Ben Chassey at about
 4 P.M. & with the help of a jeep belonging to the
 hydro-electric works caught the 5:20 bus from Killybeggs
 at Edinacraig back to Larne. Did not collect
 any more. except *Sax. nivalis*
 found in Ben Chassey during the day.

Mr. Colville arrived at Larne during the day from
 Dundee.

4th July 53. A dull day with strong cold N. wind & some
 wet mist in hills. Mr. Colville, Daisy & I left
 Larne about 10 P.M. & walked up to Lough Linn
 by the Lough Burn, stopping & used to look at the
 3 bushes of *Salix phylicifolia* & 1 bush of *S. arbuscula*
 on left bank just below the Lough. On bridge in mid
 stream where the Lough Burn *Salix phylicifolia* in flower
 3 flowering plants of *Empetrum alpinum* growing with
Sax. aizoides, *Alchemilla alpina* etc. & between 50 &
 100 seedlings of the *Empetrum*, the plants were so small
 would have stayed on the stone in difficult to
 recognize, as it sloped downstream & was only about a
 yard square & must be completely submerged when the
 river is in flood. Left Larne, 1.15 P.M., caught
 bus at head of Lough & later Mr. Colville & I
 went on to visit the great cliff S.W. of head of Lough
 & on way there passed several stations for *Sax. nivalis*
 "mysterious ridge" (*C. parviflora* ^{disco var.}?) one growing in a "flush"
 not far above lake level & two others 4 or 5 miles perhaps
 a couple of hundred feet above the Lough - one tall clump
 formed almost a pure, elongate, "tursock" across a hill, the
 or spikes, especially, being very tall, but none of these plants
 reached the luxuriant state of those on the ridge N. of Ben
 Chassey. On reaching the big cliff we went up its

4.7.53, cont. N. Larrie, Ben Lomond, N.E., cont.
 N. face where we saw many of the same plants
 such as *Agrostis alpestris*, *Euphrasia*, *Junonia corymbosa*,
 - single plants on the wetter slopes below the cliffs -
Carex muscicola & *capillaris*, *Vicia lutea*, *Erigeron*,
Salix caprea, *Armeria*, etc. On reaching top, which
 across the upper corrie - Saw the same line - a point
 to parallel? in fact I think is, or is near to,
~~Sandwich~~ ^{marked 1952} ~~original~~ habitat. We then went across
 to the upper end of the cliffs of Ben Lomond & walked
 E. along the base seeing the same plants including
 trace of *Blondina* & a large patch of *Tricus heterophyllus*
 on a densely plant-covered ledge. And we down to
 the Lichen & Lough by the usual path at 5.15.

NR on 20th from Grant Roger & the friend Dr Fraser
 Ross reported many flowers on the *Cornus suecica*
 on left bank of the Lough above Lough na Bhat
 but at 11.30 AM on 29th & again today we saw not
 a flower on it. Hence the question arises, are there
 two patches of the plant? The station for it
 described by G. Roger seemed to agree with that
 of the colony well known to us & to which I had
 directed him.

4.7.53, cont. Ben Lomond, N.E., cont.
 On return to the hotel I found the enclosed list from
 Mr. Sandhill (of Kesh) relating to the specimens of
 the *Agrostis alpestris* ^{sent there} for the previous Thursday (2nd).
 - *Agrostis alpestris* taken on the Lough (on 22.7.53)

5th July 1953. Sunday. Heavy & continuous rain all
 day after 10.30 AM.

6th July 1953. A wet, bright day with strong W. wind & some
 rain, but none on Ben Lomond, followed by rain at
 night. Marcus Graham left Lough na Bhat by
 Lough na Bhat, Mr. Sandhill & I set off up Ben Lomond
 from the hotel about 10 AM & guided by Ross saw the
 last known beds of *Trifragia rivularis* on the N. face
 of the Eastern Ridge amongst large blocks of rock below
 a tree a few feet below the crest of the ridge between
 3,000 & 3,500 feet. An very cold & windy time & with the
 the N. Larrie & keeping track made most for the rocks and
 up towards being in the Lough na Bhat, but stopped
 at first collected spot for Lough na Bhat where found a large plant
 of *Salix rivularis* about 1 1/2 inches in diameter, round at
 flowers, but it was growing on a large patch, almost vertical
 bank along some rocks. The plant was reported by Mr. Sandhill
 who thought it was only *S. oxymeris* & which returned one

6.7.53, cont.

Ben Lomond, N.E. cont.

more frequent in dry places. Poorer soil to plant here, to preserve the old ^{which almost failed!} seed. It is much more abundant up along the steep, steep bank. Green in patches, & some very fine specimens including *Polypodium* *montanum* (this is the best I saw), *Asplenium* *platyneuron*, *Epilobium* *alpinum*, & some other common species. Among the ridge just S. of the Ben Lomond is dropped down on to my ledge where I found the ridge (to *prostrata*?) is a fine, abundant, to be to get male plants with pollen for Sandwith but poor seed not raised. The last, about 1000 ft. male plants found that with the female given in the higher part of the ridge is abundant - on the ridge which is more growing in *Epilobium*. Duncan there recognized very pretty little form of *Scirpus*, which he had noted in 1932. Poor, on the same the reported time to *Scirpus* *alpinus* (only recorded from Ben Lomond & Loughborough, York, with near British flora), as compared with the common & widespread form *Scirpus* *geminus* with larger, lower, shall to the heart at base of flower stem. Heart pointed down to cold & more back (N.) of Ben Lomond, near Sandwith ridge in various places & some *reticulata* & *prostrata* on the col. Had of course to follow the ridge which was in 1932 & crossed by steep path to NE corner of the Stair, where Poor showed me a small patch of *Cystopteris* *montana* in a gully

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at the corner of the Stair where the N.E. face meets or just round on the N. face & immediately above the steep path: it was very minute & scarcely visible amongst the rest of the vegetation & at first not seen by Poor. I found it between the gully in 1953 but failed to see anything of interest & did not descend it & on return I found it. Finally, descended the slope

Hypnum (*Scorpidium*) *turgescens*



found by Duncan Poor on the col between Ben Lomond & Meall Garbh (Ben Lomond) at 3,000 feet, 6.7.1953.

to the top of the Stair. *Phlegmaria* *alpinum* was found by Poor on the slope high up as it occurred the N. corner after lunch & one plant of *Polytrichum* in a crevice on W. side of the Stair. *Scandix* *alpinus* & *Sedum* *reticulatum* in flower on scarp W. of Meall Garbh & a little below the level of the Ben Lomond this & Ben Lomond, where one pool is flushed full of Sandwith's sedges, *Juncus* *biglavinus*, *Luzula* *lanceolata* (with heart below fruit) & where Poor found a moss he thought was the Ben Lomond & last then found a small fragment, *Hypnum* (*Scorpidium*) *turgescens*! See specimen!

8th July 1953 A cool & hazy day, but
 considerable sun & fine in afternoon.
 Driven by Mr. L. G. G. (McCollin, Davis
 & I) to Inveran in Glen Lyon, where
 arrived at 10.30 & left for hill at 12.15.
 Walked up track on left bank of the Inveran Burn
 to about 1800 ft. & then cut across slope to the
 cliffs E. of summit of Carn Gorm. Cliffs
 range from ca. 2,500 to 2,750 feet.
 Walked along the lower cliffs northwards & then
 cut across ridge & down to the cliffs facing
 south about 3/4 mile NE. of Carn Gorm, along
 under the big cliff, across the head of the burn &
 on back of Inveran. In crossing the corrie
 NE. of Carn Gorm passed over several stony
 areas full of *Juncus biglaminis*, *J. biglaminis*,
Scirpus caespitosus caespitosus, *Carex* ^{diversa var.} *pellucida*,
Carex acutiformis, &c. on the track above
 Inveran at ca. 1000 ft. saw *Plantago maritima*
 & *Scirpus setaceus* & at ca. 1250 ft. what
 appeared to be *Carex dioica* ^{& *Polytrichum commune*} on reaching the cliff.
 of Carn Gorm found *Salix myrsinites* & *abundant*
S. lapponum & *S. arbuscula* & Mr. Collin found
 one bush of *S. lapponum* & *Vaccinium uliginosum*

8.7.53, cont. Carn Gorm, Glen Lyon, N.P., cont.
 Other nice plants on the wet cliffs were *Carex repens*,
C. vaginata, *C. strata*, *C. ripida* & *C. glauca* (very fine
 forming ^{small tufts of large & small} *terrestris* *alpina*, *Salix myrsinites*,
Malva ^{nuttallii} ~~officinalis~~, *Pedicularis*, *Bryon*, *Salix acutis*,
Draba rupestris (smaller) & *D. incana*, *Trillium*,
San. hypnoides & *S. alberti* & *S. aizoides*, *Juncus* *viridis*,
Carex repens, *Betula* & *Oak* fern. *Asplenium* *variegatum*.
 On the cliff NE. of Carn Gorm & facing south we
 saw 18 flower-heads of *Eryngium alpinum* on one small
 scarp & 5 more nearby; *Lychnis dioica*, *San. viridis*,
Carex repens, *Bryon acutis*, *Salix myrsinites* (one
 bush only seen here), *Betula* fern, *Viola hirta* var.
boottiana *alpina*, *Rhianthus* ("terrestris"),
Gnaphalium *superum*, *Solidago virgaurea*, *Antennaria*,
Anthyllus vulneraria, *Sedum rupestris* *in* *great*
abundance, *Luzula spicata*, *Draba incana* & *D. rupestris*
 var. In the hollow between Carn Gorm & the big cliff to
 NE. were some lovely "mossy bogs" full of *Saxifraga* *hypnoides*,
Juncus biglaminis, *J. triglaminis* & what I believe to be
 a stunted *J. caeruleus* only about 4 inches high, & on the
 steep slope up to the crags W. of the big cliff I found
 a prostrate patch of what I think is a tiny form of
Salix repens with 1/2 inch long leaves.

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11.7.53, cont. Mount Glandu N.W. of
Juncea trigloma, and *Bambusa*, 5' to 10'
 not seen on the cliffs, SE on side N.E.
 of Mount Glandu. *Sabinia aurita* & *S. cinerea*
 seen about Tullait pass & the former for some
 distance above, also by a fern grove & small tree
 of *Sabinia repens* or *repens x cinerea* (specimen
 taken). *Luzula spicata*, *Oxyria digyna* &
Luzula nemoralis also seen on cliffs or high ground
 [Later discovered that on summit of Mount Glandu, which we not
 visited, is a patch of *Juncea repens* - quite *Bambusa* Boore!]

12th July 1953 No wind, very humid, drizzly rain most
 of the day, after a wet night, but in afternoon rain cleared
 off for a couple of hours & collected near Lake off to
 the right of the road, with paper, but of course,
 by the rain, the paper was very wet & some
 specimens lost in the rain.

Plants of *cardata* group. *Tillandsia* "mossy" group seen
Andropogon "cristatus" & a few *Phoradendron* (Baker's collection)
 At "S. 1000" 3, at least 1000'.
Claytonia "prophylla" - 2 or 3 specimens, none of the
Claytonia "longifolia" common, taken
Campanula "sp." 1 specimen

12th July 1953. More or less a wet day, with
 puffs of wind from E, then W. & finally N.W.
 humid, not cold, drizzly, with heavy rain
 at times after 11 am & 12 am in afternoon.

Mr. Colville & I took 9.30 bus to Ednam
 where Mr. Gregor's car drove us up to the new
 road to Quarry S. of Oban on Easdale. From
 a left in jeep by hydro-electric expansion for
 about a mile & on leaving the cut-up ridge towards
 Easdale, seeing *Centuria* *viridis*, *Kibria* etc.
 on the way, as on 2.7.53. Then went on to show
 Mr. Colville the *Barro* *gracilis* & led back
 beside it. After lunch we took to the pass
 along the higher slopes of Oban on Easdale
 & round S. shoulder of Ben Lomond to the ridge
 where dropped down to base of Ben Lomond
 cliffs - facing S. Went on to the cliffs but
 afternoon tea & called back to Ednam by the
 cable 5.30 bus from Kilmorye & so home.

On rock face just above the *Barro* *gracilis*
 saw a beautiful half grown tuft of *Artemisia*
rubella covered with fruit, the ciliate pedicels
 of flowers being proof of its identity. Small tufts
 of *Briza repens* seen at same place, also one spike of
Phlox alpinum on wet rocks below cliffs.

13.7.53, cont. - Basin in between a bare bog, and
 very near barax cante near point NE of the pass.
 1) *Juniperus* *horizontalis*, very dwarf, - flat on bog.
 On reaching the cliffs SE of summit of bare bog
 soon came on very rich flora with *Silene* *maritima*,
Salix *reticulata* & *hercynica* (seen as but not high up
 cliff which looked like *Salix* *caprea* & just E of the
 pass. Dr. B. Smith found a small patch of each of
Salix *reticulata*); *Vaccinium* *myrtillus* in fruit,
Drosera *rotundifolia* - fruit & flower, *D. linearis*,
Woodsia *alpina* in several places & about a dozen
 plants in one spot, on the cliffs facing the ^{out} summit.

14th July 1953. A damp winter morning after a wet night
 with mist in valley down to 1000 ft. or after rain. Rain
 to previous evening & I took bus to Farnham where
 on shore of Great Tavy I collected a specimen (Vaccinium)
 of the rock, added to British list of plants - the uppermost
Scandianum species *barax* & *puberula*. However
 the foreground between river & water level of the bed
 is like the lake to water, with small *Typha* *latifolia*
 & very small *Utricularia* - a very small little "Pleur" *ovata*.

14.7.53, cont. In afternoon took bus to Borthwick
 & spent the afternoon with the Brown - father &
 Dorcas - the son. Looking at a few of the very
 beautiful colour-photos of Scottish plants taken
 by the latter & at the equally beautiful collection
 of Lepidoptera of the same, though the latter is a
 collection from a scientific point of view than
 the specimens seen in the collection.

As no rain at Farnham in afternoon I went to
 get up & to dried the vegetation, went out after dinner at
 about 7.45 PM. to sweep the lane, but as 8.15 PM
 mist, rain descended from above down to the
 mouth of the river. Had to abandon the sweep
 from Borthwick. Saw *Calopteryx* *viridis* on the
 top of the lane & it collected some a *Calopteryx*
Borealis *fulvipes* 24.5.53. with very long wings. *Calopteryx*
 & *Calopteryx* *viridis*. *Calopteryx* *viridis* 24.5.53.
Calopteryx *viridis* 24.5.53. *Calopteryx* *viridis* 24.5.53.
Calopteryx *viridis* 24.5.53. *Calopteryx* *viridis* 24.5.53.

18th July 1953. The first fine day for 5 fortnights
after rain at night & misty rain at 8 AM.

A shower passed to E. at 11 AM. & another
to W. at 6 PM. but no rain fell on Larnach
or Ben Larnach during the day from breakfast
till dark & the Ben was free of mist
from 11 AM till 6 PM.

Left hotel about 10 AM. (Leaving 1st) &
walked 1/2 mile West along road & then up old
track & S. slope of small Ocker & over
E. shoulder of same, seeing S. & one Hazel
& several Buns of *Burden* on the "cliffs".

After crossing boggy ground N. of small
Ocker made a long ascent upward & into
the West Corrie at 12.45 & had lunch about
1.10 PM. in middle of the corrie, where *Sedum*
villosum seen by the wall, as usual, but all
fully open coral-pink flowers. Walked
up to head of the Burn in corrie & along
E. end of the Ben Glen cliffs, seeing much
nice swampy ground & nice plants, including
much *Sedum villosum*, *Juncus biglavin*, *Strigella*
(but not *J. aculeatus* which is reported to be
common there!); *Carex curta* in several places.

18.7.53, cont.

Ben Larnach, 17th, cont.
at ca. 3,200 ft. & just E. & S. little above the wall
along of scree & ridge near to the (in scree)
which look like small form of *B. phalaena*, but
with much more fruit (strawberry) & more compact
& smaller, pencils of petals. ~~Many specimens~~
~~of *B. phalaena* were seen~~ *Carex curta* occurred
sparingly with it & also on the floor of corrie,
where the scree, grass & *Strigella* were
there or throughout slope. Some rather stunted
specimens of cilia. *Sedum* with ridge on my new
mythical ridge (see previous page) growing on
of the walls below the *C. curta* ground. Next
went to foot of main cliff ^{of Ben Larnach} & on rocky slope
below & S. of same saw lot of *Gentiana*
viridis, *Sax. viridis*, *Artemisia rotunda* &
Sedum villosum — growing almost on the bare
rock, also many other plants. Crossed slope
S. & E. of above & went up the 2nd gully S. of
the big cliff & on way up collected some fine
lots of *Geranium* spp. & saw one small clump
of *Sagina viridis*. Then went up to summit to
see the view. All clear except toward N.W. where
rain clouds were gathering over the Ben Larnach range.
Saw about a dozen or more clumps of *Sagina viridis*.

Went down to "the crater," & had afternoon tea at 4:30 P.M., to get shelter as sudden cold wind had sprung up & saw the usual array of Saxifraga rumicoides amongst the crags W. & S.W. of the semi-circular wall, but none in flower & had not time to look into the corrie. Before tea we had tea & 22 yds W. of the semi-circular wall under an overhanging rock found a small patch of Saxifraga rumicoides with much larger leaves than in the well-known station down the E. ridge, which also visited on return journey. Left summit at 4:55 & in hotel at 7 P.M. exactly. To find the Sax. rumicoides W. of the crater, of which I took this single leaf. Stand with your back to the curved E. wall in the crater & face westwards. On your left about 15 yards away is a small rocky crag & on your right the rocky slope N. of which runs the path from the summit to E. ridge & between these & 22 yards from the wall is a ten-foot high crag

[Faint handwritten notes at the bottom of the page]

C. prona, small ♂ ant. 22.

Pygmaea ♂: *Loxotropa minute brachyptera* ♀!

7: 6 only mtd = *A. albescipes* 2 ♂♂, ant 24.7, 25.1, the former damaged by David!

[10 labelled on
2/3/1965
several dungs
by some insects
✓ 4. 8. 1965]

Hyphae Oxytelus uliginosus, 1♂, 1♀

North. ^{Loose} ~~Big~~ Broad-bordered yellow underwing! = *E. interjecta*, I think! AWS.

4th Aug 1965. A dull day with a light W breeze & some drizzle at times. Left home at 10.30 AM, the wind rose to a fine evening breeze. Left home at 10.30 AM & drove to Malpas Bay, 3 miles S of Ballyclare, Co. WI. Stayed there from 11.30 till after lunch, then drove on to Lough, Ford (near R. Lanes) & back through Rathvilly to Ballyclare. Stopped along the road for some time & collected along the way. In total 1-2 hours I was back to the car. Collected the following specimens:

Left 12.4.15 & back at 5.30 PM. [43 labelled 12/2/1965]
(= 1) 4th Aug 1965, Ballyclare, Co. WI. 11.30 - 1.0 PM.

Chrysomelids 2 = *Colpognathus divinus* ♀, ant. 23.

& *Platylabus* small ♂, ant. 31 (possibly *indipennis*).

Chrysomelids 1 ♂ = *Microcoryphus granivorus* ♀, ant. 28.

Hemiteles ruficornis Th. ♂: ♀, ant. 26. *Pezomachus* 2 small, blackish, ♀♀, ant. both 19.

Pezomachus? ♂, all black, matt, red-banded abdomen; ant. 22.

Phygadeuon? ♂, red abdomen; ant. 24.

Pimpla ruficornis ♀ (= *auridator*), ant. 24.

Phygadeuon nigritarsis ♀ or *longipes*; ant. 32.

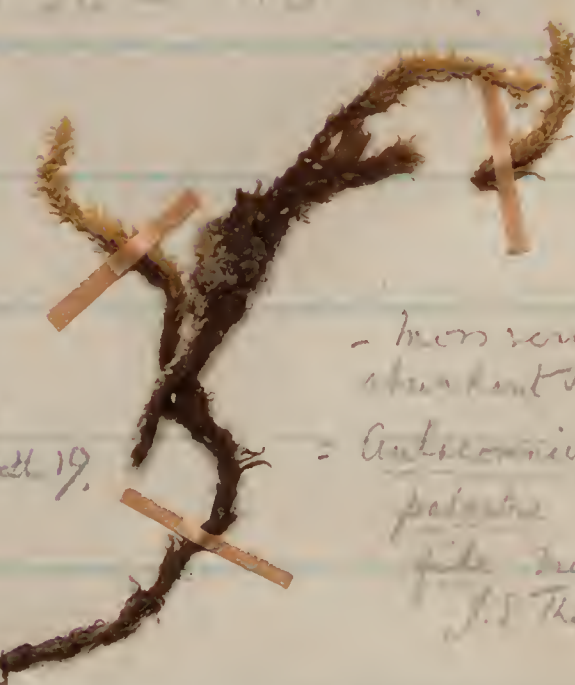
Microgaster ♂, ant. 20.

11.2.1965. 12.4.15. - *Theridion triangularis*, ant. 20, 20, 20 & 21: then ♂ & ♀ straight 3rd abs. of radius, while most examples in my series have the curved 1st AWS.

Chrysomelids 2 = *Omorpa solitaria* Brueske? ♀, ant. 36, mandible black.

Syndesmus lateralis (♂?), ant. 39. & *Ichneumon*? sp. ♀, ant. 25.

Henicospilus ruficornis ♂, ant. 57.



- moss very abundant
- *Anticarsus*
palustris
fide Mrs. J.S. Thomson



Vaccinium
myrsinifolium
with fungus on leaves

4.8.53 (1st inst.) 4th Aug 1965. Ballyclare, Co. WI, ant.

Brachymeria pictipes n. sp.: a nice ♀, ant. 26. 13. sp. *tenellus* n. sp. dark ♀ (?), ant. 27, or possibly *tenellus* with small tergite 2.

B. osculator, 2 ♂♂, ant. 24 & 26.

Phygadeuon *gasterator*? ♂, ant. 51.

Chrysomelids *rufipes*? ♂, ant. 22: not *sericeipes* (18.12.1965)

Chelonus *pedator* Dahl? ant. 23.

Sigalphus *caudatus* ♀, ant. 20. *Acetia subfasciata* ♂

Apanteles *fulvipes* ♀ not mtd. *A. fulvipes* ♂: not mtd.

A. sp. near imperator? ♀. *A. obscurus* 2 ♀♀, also 1 ♂.

Apanteles *caudatus* ♂, ant. 18. *A. (Apanteles) ruficornis*? ♀, ant. 18.

Chelonus ♂

Brachymeria ♂

Chelonus ♂

Chelonus ♂

Chelonus ♂

4.8.53 (1st inst.) 4th Aug 1965. Ballyclare, Co. WI. 11.30 - 1.0 PM. [The one, *Chelonus*, labelled 16.2.1965]

Chelonus ♂

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

Phygadeuon ♂, ant. 20. *Phygadeuon* ♂, ant. 20.

9.8.53, cont. Taken at 2. Holly and Glen, W. 4.15-4.30 PM
[8 labelled on 16.2.1965.]

Pentapleura 1 ♀ = *Pentapleura tenuicornis*? ♀, ant. 18. *Schizoloma amicta* ♀

Pentapleura ruficornis, small ♂, with rather well wings; ant. 21.

Opius 2 ♂♂ = *O. brevitarsis* m. 2 ♂♂, ant. both 21.

& *O. stenops* m. ♂, ant. 24.

Dacnusa 2 ♂♂ = *D. elegantula*, ant. 32. *D. armata*? small, red legs, ant. 30

Pentapleura 5

Phaenocarpa 1

17.8.53. Very warm, mostly clear, but some clouds, SW breeze.

A few more taken of eggs, from a *Pentapleura* ♀.

Also swept - a *Pentapleura* probably a larva, a few

larvae of *Pentapleura*, a few of *Pentapleura* & *Pentapleura* & *Pentapleura*

from the ground, but not taken. See below.

Pentapleura 1 ♀, *Pentapleura* 1 ♀, *Pentapleura* 1 ♀.

Euphranta 11. none mtd. but this probably included *Euphranta*, which was on off. page. [40 labelled 16.2.1965.]

Pentapleura 1 ♂, *Pentapleura* 1 ♂, *Pentapleura* 1 ♂.

Pentapleura 1 ♂, *Pentapleura* 1 ♂, *Pentapleura* 1 ♂.

Scaphium macrops? ♂, ant. 31.

Stenomacrus ♂, which I saw to *connatus* = a var. of *flavilabris* fide Roman.

12.8.53, cont. Taken at 2. Holly and Glen, W. 4.15-4.30 PM

[8 labelled on 16.2.1965.]

Pentapleura 1 ♀ = *Pentapleura*? ant. 37

Pentapleura 5 = *Dialipus*? 2 ♂♂, ant. both 21; agree with *transipus* (identified) by J. F. Perkins!

Euphranta oligomera? 2 ♂♂, ant. both 18.

Proclitus comes Hal. ♀, ant. 22.

Pentapleura 1 ♀, small, ant. 37.

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Euphranta 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

Pentapleura 1 ♂, ant. 20. *A. falcata*, ♀

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(1)

18.8.53, cont. The Burroughs, W.I., cont.

Phaenocarpa cf. *nitida* W. large ♂, ant. 26, with notauli meeting at posterior end of the dimple. (I think, while some specimens have the meeting like this!)

Phaenocarpa fasciata W. ♂

D. ... ♂ (3) *signata*? ♂ ant. 26.

Chalcid *nitidus* Hal? ♀, ant. 17/18

Brach. 1

Hemiptera *... ...*

Edd. ♂ (very common)

Dragonfly =

Taken at 2.

Helictes villiorulus K. ♂, small off Angelica or Mint?

Tenodes glabratus ♂ & ♀.

Schizura ♂

Cryptus ♂, 20-seg. small ♂ of *Phygadeuon*? (dark)

Antrenus lunifrons ♂, 3-seg. small ♂ of *Antrenus*? (ant. 27/28/29)

Pygmaeus ♂, ant. 18. *Helictes* ♂, ant. 18. *Leptocryptus* ♂, ant. 18.

Microcryptus? ♂, 18-seg. wings, ant. 18. *Phygadeuon* ♂, ant. 27.

Cryptus ♂, ant. 26 =

Rovellia ♂, ant. 27. *Synaldis geminata* ♂, ant. 46.

Chalcid ♂, ant. 21. *Chalcid* ♂, ant. 21. *Chalcid* ♂, ant. 21.

1 small ♂ of *Chalcid* ♂, ant. 22, specimen at Burroughs 2 beyond ant. 2.

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(2)

18.8.53, cont. Burroughs, W.I., cont.

Brach. fulvipes ♂, ant. 19. *B. ...* ♀, ant. 19. *B. ...* ♀, ant. 19.

B. ... ♂, ant. 20. *B. ...* ♂, ant. 20. *B. ...* ♂, ant. 20.

B. ... ♂, ant. 20. *B. ...* ♂, ant. 20. *B. ...* ♂, ant. 20.

B. ... ♂, ant. 22. *B. ...* ♂, ant. 22. *B. ...* ♂, ant. 22.

Chalcid *secundus* group ♂, ant. 20; ♀, ant. 20. *Chalcid* ♂, ant. 20.

Microplitis *medialis* Hal. ♀, red abd. & legs of antennae.

Hygroplitis *... ...* Hal. ♂, 18-seg.

Apanteles *... ...* ♀, 18-seg. very small.

Adenomacrus *... ...* ♀, black, on small off *Antrenus* ♂.

Chalcid *... ...* small ♀, third leg: 18-seg.

Chalcid *... ...* ♂, with elongated red abd. & legs.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

Chalcid ♂, ant. 20. *Chalcid* ♂, ant. 20. *Chalcid* ♂, ant. 20.

THE KING OF THE ROYAL IRISH
USE, 19 DAWSON STREET,
1 FEBRUARY, 1952, at a
n., for the transaction of

Secretary.

J. L. SYNGE, Sc.D.,

n., for the transaction of

FEBRUARY, 1952, at a

USE, 19 DAWSON STREET,

TING of the ROYAL IRISH



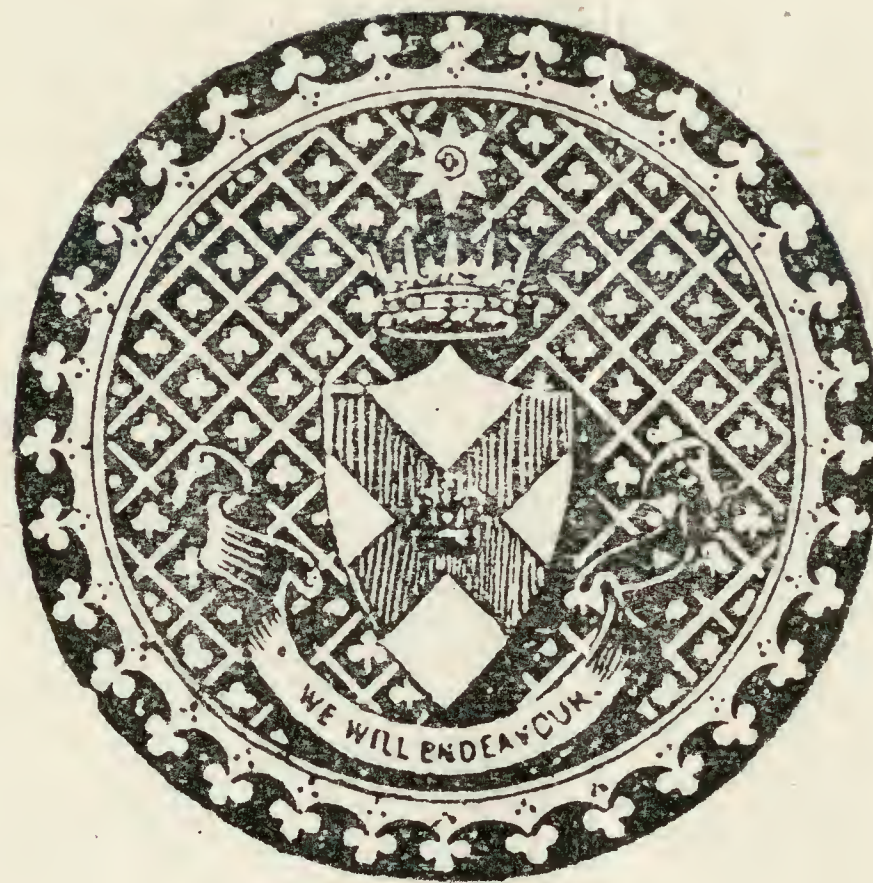
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N.B.—CHANGE OF ADDRESS

Dr. Max Fischer

Achmose, L. Tay. 31. 5. 47. Homocidus ruficornis
Aspilota ruficornis ♂. Euphorus pallidipes
Larva (fields, shore & cave) 2. 6. 47 (afternoon).
B. lucorum, aprorum. Dolerus gonager, nigritus? niger.
T. areolaris. All. tener? ♂. non. pallens. Phago. fulvipes ♂
Tom. lat. Hop. crataegi. Pachy. clitellata. Pt. sp. ♀
Prist. denudata. Cratichneumon? ♂, yellow spot on clypeus.
Phygadeuon off. 2 ♂♂. Stenocryptus curvicauda ♂ & ♀.
Bracon of Lipitanga n. 5 ♂♂. B. sp. ♂ new transverse band.
Opius ruficornis Hal.? ♂, dark legs. O. Erism. W.? ♂
St. compunctator ♂. Asp. cf. minutissima? ♂. A. cf. fuscicornis ♂
Dacnusa longiradicis ♂. maculipes ♂ & ♀. areolaris? ♂ & ♀
confinis 2 ♂♂. lutea? ♂. gilvipes ♀. metula ♂ (with sternal
of areolaris ♂. nivalis? 2 ♂♂. cf. merion? ♂
sp. nov. var. postica ♀. Colletes dimorpha m.? large ♂
Praon volucre (the only aphid seen!)
Proctos? Chalcids 6. Coleoptera 15.

Finlay 29 & 30. 5. 47. Trichites pallidipes? ♂
Bracon scutellator 4. Cerinus ochropus? ♂
Asp. nigrescens. A. (Syn.) concolor? 2 ♂♂ + 1 large ♂
Beetle. Eros aurora!
Ichneumon bucculentus ♀. Pimpla alternans var.
Bracon sp. ♂



THERE will be a GENERAL MEETING of the ROYAL IRISH ACADEMY at the ACADEMY HOUSE, 19 DAWSON STREET, DUBLIN, on **Monday**, 25TH of FEBRUARY, 1952, at a **Quarter past Four** o'clock p.m., for the transaction of General Business.

J. L. SYNGE, Sc.D.,
Secretary.

PAPER TO BE READ

SEÁN P. Ó RÍORDÁIN and RUAIDHRI DE VALERA :—



? Opus tiliac mth

Theridion, 29

of 2 Opus from Killin, M. Perth.
(1) 22.7.1952.

Statement of Dividend with Certificate of the Amount deducted on account of Income Tax

SAORSTÁT ÉIREANN £4-10-0 Per Cent. LAND BONDS

HALF YEAR'S DIVIDEND DUE 1st January, 1952

No. 784

PAYEE

FOR A/C OF

LB. 8801

LB. 8801

MRS. MARGARITA DAWSON STELFOX,
14, CLAREVILLE ROAD,
RATHGAR,
DUBLIN.

A/C SELF.

54

Warrant No.	Capital	Gross Dividend	Less Income Tax @ 6/6 per £	Nett Dividend
784.	150.	3. 7. 6	1. 1. 11	2. 5. 7 *

I hereby certify that Eire Income Tax at the appropriate Rate deducted from this dividend will be paid to the proper Officer for the receipt of Taxes.

S. T. TAYLOR, *Managing Director*

National City Bank Limited

10 College Green, Dublin

N B.—CHANGE OF ADDRESS should be notified to Transfer Officer immediately.

1 large lumber & 1 green
newton's carver off
brick Balleniscorney
Ho., DU. 12.8.53

ointed Day £6,933,558
out of the balance of
lied in redeeming the
per cent. Terminable
the Railway Cor
otherwi

5. As soon as
Railway Company shall
£1,552,471 (hereinafter
of the then balance of
allocation shall be divided
as follows :—

Five Hymenoptera collected off
Oak at Lawer, Mid Perth,
by A. R. Waterton (R.S. Museum, Edin.)
on 20th July 1953.

Mesochorus black thorax ♀, ant. 32.

M. sp. ♂, ant. 35, thorax ventrally
red.

Plectiscus sp. ♀, ant. 19.

Stenomacrus, ♂, ant. broken, runs to
minutus, ♂ unknown!

Phaenocarpa ruficeps small dark ♀
ant. 27.

Naturhistorisches Museum

Zoologische Abteilung

Wien I, Burgring 7

Pr. Nr. 600/62-Z

Wien, am 16. IV. 1962

Herrn A.W. Stelfox
21 Tullybrannigan Rd.
Newcastle, Co. Down - N. Ireland

Sehr geehrter Herr Stelfox!

Besten Dank für Ihren Brief vom 30. III. 1962 und die Sendung mit einem Weibchen von Meteorus jaculator Hal.

Ich sende Ihnen heute alle Meteorus-Arten zurück, die Ihnen gehören. Grüßen Sie auch Herrn Dr. Graham von mir, wenn Sie ihn sehen. Im letzten Sommer schied sich zwischen ihm und mir ein Briefwechsel anzubahnen, der dann allerdings jäh abgerissen ist. Ich bekam einfach keine Antwort mehr.

Bei uns ist seit zwei Tagen wieder die Sonne zu sehen. Es wird also doch Frühling und ich werde wieder entomologische Exkursionen machen.

Mit vielen Grüßen und besten Erfolgswünschen bin ich wie immer
Ihr ergebener

Dr. Max Fischer

Dr. Max Fischer

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18.8.53 (2), cont. - Murreugh, W.I., cont.

Reuben 5

Chelonia 13

Hemiptera 4

Batella Line reptantia for H.W. Batty (2) & Steph.

Scorpions: 3 very large ♂♂ - normal sized also seen.

